

EXPERIENCE SUMMARY

18+ years of experience in web application design, development, architecting and delivering large-scale enterprise software development projects by effectively collaborating, leading, and coaching cross-functional teams. Expertise as lead developer for **HTML, CSS, JavaScript/TypeScript & Java** and its frameworks **Angular, React, Node.js, Express & NestJS** working in Network Security, Virtualization, eCommerce, Cloud Computing and Financial Services domains.

AREAS OF EXPERTISE

Frontend Development (60%) | Backend Development (30%) | DevOps and Cloud (10%)

Enterprise Software Development | Software Architecture and Design | Testing | Code Quality | Monitoring | Reporting

Agile | Scrum | Problem Solving | Troubleshooting | Incident Management | Root Cause Analysis

TECHNICAL SKILLS

Frontend Technologies:

Languages	:	HTML, CSS, JavaScript, TypeScript
Angular Tech Stacks	:	Angular, TypeScript, RxJS, Karma, Jasmine, Cypress, Webpack, Nx Monorepo
React Tech Stacks	:	React, Redux, Redux Thunk, Reselect, Styled Components, Jest, Webpack, Axios
CSS Frameworks	:	Bootstrap, Material UI, Tailwind CSS, Sass, Less, VMware Clarity, Kendo UI
Libraries	:	Lodash, Luxon, jQuery
Build Tools	:	Nx, Npm, Yarn, Webpack, Parcel, Gulp, Grunt
Testing Tools	:	Jest, Karma, Jasmine, Cypress, Playwright
UI Analytic Tools	:	Adobe Analytics, Google Analytics, New Relic

Backend Technologies

Languages	:	JavaScript, TypeScript, Java, GraphQL
API Frameworks	:	NodeJS, NestJS, Express, Spring Boot
NoSQL Database	:	Dynamo DB, MongoDB,
Relational Databases	:	MySQL, PostgreSQL
Build Tools	:	Webpack, Make
Testing Tools	:	Cucumber
Logging Tools	:	Sumo Logic, Kibana, Splunk & New Relic

DevOps & Tools:

Scripting Languages	:	Groovy, Bash/Unix, Terraform & Python
Version Control	:	Git (GitHub, GitLab & Bitbucket) & Perforce
CI/CD	:	Jenkins, GitLab CI
Containerization	:	Docker, Kubernetes & Rancher
Code Quality & Review	:	ESLint/TSLint, SonarQube, Review Board, Fisheye
Monitoring	:	Datadog & Splunk
Servers	:	Nginx, Apache Tomcat
IDEs	:	WebStorm, IntelliJ, VS Code & Eclipse
Project Management	:	Bugzilla, Jira, Confluence, HP ALM & Agile/Scrum
Incident Monitoring	:	PagerDuty & Slack

Cloud Technologies

AWS	:	EC2, Route53, S3, Lambda, IAM
Azure	:	Virtual Machines, App Service, Storage Accounts, CDN

EDUCATION

Master of Technology in Data Science & Engineering

2019-2021

Birla Institute of Technology and Science, Pilani, India

This course covered the foundations of Data Science, Statistics & Probability, Machine Learning (ML), Artificial Intelligence (AI), Big Data Analytics, Data Mining & Knowledge Discovery, Data Visualization, Advanced Programming, and Natural Language Processing (NLP).

Master of Computer Applications (MCA)

2003-2006

BMS College of Engineering, Bengaluru, India (Affiliated to Visvesvaraya Technological University)

EMPLOYERS In USA

Mastech Digital

Dec 2024 – Present

Lead Technical Engineer | Full Stack Developer

Client: Fidelity Investments, Westlake, Texas (Onsite)

Project: Personal Wealth Management

Fidelity Investments aimed at helping individuals achieve their long-term financial goals through personalized wealth management solutions. The project offers tailored financial planning, investment strategies, and ongoing portfolio management, guided by experienced advisors.

- Working on **Angular Nx monorepo** to efficiently manage multiple projects, enabling shared libraries, modular code, and consistent development standards. Optimized build performance and CI/CD pipelines with smart caching, parallel task execution, and advanced dependency management.
- Developing scalable APIs using NestJS and GraphQL, enabling efficient data querying and schema-based communication.
- Mentor and coach developers and engineers on the team.
- Design system integrations, APIs, and data flows for new features and services.
- Work closely within Agile/Scrum teams to ensure timely delivery of quality features. Participate in sprint planning, estimations, and retrospectives.
- Drive automation, performance tuning, and infrastructure improvements.
- Guide code quality and set best practices.
- Make high-level design choices and dictate technical standards, including tools, programming languages, and frameworks.
- Ensure all development complies with company security policies and regulatory requirements.

Ericsson, Raleigh, North Carolina (Remote)

May 2023 – Nov 2024

Sr. Software Development Engineer | Full Stack Developer

Project: NetCloud SASE (Secure Access Service Edge) & NetCloud Manager UI

NetCloud SASE integrates cellular-centric SD-WAN and security into a fully unified, simple-to-use solution. It extends beyond fixed sites to secure dynamic environments where site locations are shifting, vehicles are moving, IoT devices are multiplying, and employees are working from anywhere.

- Led in designing, building, and testing the NetCloud SASE SaaS.
- Collaborated with product owner's, BSA's and UX team to implement responsive, visually appealing functionality using Angular. Ensure the usability and accessibility of web applications for a wide range of users.
- Mentored and empowered junior engineers to help them grow in their technical career.
- Identifying the product requirements and converting them into technical stories & tasks for the implementation of APIs and UI. Facilitated Scrum ceremonies like daily stand-up, reviews/demos, backlog refinement, and retrospective with distributed teams.
- Migrated legacy pages and components from EmberJS to Angular 16+ & RxJS.
- Developed the Network traffic dashboards & reports for the customer networks.
- Collaborated with UX and core components teams, translating complex design mock-ups from Figma/Sketch into high quality, accessible, W3C standards-based code.
- Developed UI SDK which provided the built-in components, libraries and utilities which are used multiple applications.
- Implemented security measures such as input validation, data sanitization, and protection against common.
- Utilized AWS S3 to host and deliver static UI assets, ensuring high availability, scalability, and seamless user experiences, while implementing caching and versioning to optimize performance and manage updates efficiently.
- Enhanced policy config, network connectivity, and visibility service APIs using NodeJS, NestJS and DynamoDB.
- Developed Datadog dashboard, monitors and metrics using queries & events, created SLO metric through terraform scripts and integrated Slack and PagerDuty for the alerts & incidents which checks cloud infrastructure, network connectivity, resources availability and health of kubernetes nodes, pods, containers and services across all the clusters and regions.
- Created the Atlassian status page for the application and service availability for all the Geo's and regions which shows and notifies the customer about service outage, products release schedule, downtime, and availability metrics SLA.
- Created Jenkins Pipeline which fetches the network, policy rule, site, customer details in the daily monitoring job which provides network stats report to product owners, sales, architecture and leadership team.

Project: Customer Banking Accounts Dashboard – Chase Bank

A bank customer logs into their Chase banking account, which displays a dashboard with an overview of all their accounts, including Checking, Savings, Credit Cards, Auto, and Mortgage loans. The dashboard allows them to view current balances, recent transactions, deposits, statements, and more.

- Led a team to transform the legacy customer banking experience into a new banking UI.
- Migrated from BlueJS legacy technologies to modern stacks, including **React**, Webpack, **Axios**, **Cypress**, and GraphQL. Implemented accessibility and mobile compatibility features.
- Developed unit tests and an automation pipeline to ensure high-quality, reliable performance.
- Created reusable components and custom hooks in multiple modules.
- Created a Storybook to develop and showcase isolated UI components, enabling efficient testing, collaboration, and documentation while ensuring consistent design and functionality across the application.
- Used **Single-SPA library** to seamlessly integrate legacy applications with modern React components, creating a hybrid app architecture that allows independent deployment and gradual migration without disrupting existing functionality.

ROLES & DEVELOPMENT SUMMARY

- Developing dynamic web applications with HTML, CSS, JavaScript, TypeScript, jQuery, Ajax, Node.js, and JSON/XML on the frontend.
- Building robust APIs and services for distributed applications using NodeJS, ExpressJS, NestJS, and GraphQL, ensuring scalable and efficient RESTful API integrations.
- Expertise in developing and migrating to single page applications (SPA) using Angular, RxJS, React JS and Redux.
- Lead the development effort for the Angular based front-end of the application, ensuring high quality, maintainable code, and a seamless user experience.
- Hands-on experience in developing the new components, services and utils using Angular/React for the applications.
- Implemented Bootstrap, Clarity, Tailwind CSS frameworks in multiple projects for developing rich and responsive UI.
- Experienced in Single-SPA library to implement micro frontend architecture, enabling multiple frameworks or libraries to coexist and function seamlessly within a single web application.
- Experienced in implementing i18n (internationalization) and localization in applications development, ensuring applications support multilingual functionality and adapt regional requirements.
- Strong knowledge in Designing dynamic user interface for web forms using Reactive forms.
- Optimized UI performance by leveraging Content Delivery Networks (CDNs) to deliver static assets, reducing latency and enhancing user experience.
- Improved UI performance by utilizing Webpack to bundle and optimize assets, implement lazy loading and code splitting, and reduce load times for an enhanced user experience.
- Collaborated closely with product owners, BSA's, UX designers, and developers to translate requirements into high-fidelity UI designs using Figma & Sketch.
- Strong experience in Unit Testing, E2E Testing, User Acceptance Testing, Automation Testing and Integration Testing.
- Implemented the Page Object Model (POM) in Cypress to streamline test maintenance and reusability, and utilized Cucumber for behavior-driven development (BDD) to write clear, human-readable test scenarios.
- Worked on responsive, mobile-first user interfaces using Media Queries and CSS, ensuring that designs are consistent across browsers and devices.
- Strong experience in developing Web Services using NodeJS, ExpressJS & NestJS and Relational Databases like PostgreSQL & MySQL, NoSQL Databases like MongoDB, DynamoDB, & Redis, and Message streaming using Apache Kafka.
- Proficient in using JIRA for managing Agile workflows, tracking project tasks, and facilitating team collaboration to ensure efficient project delivery.
- Proficient in implementing CI/CD pipelines using GitLab and Jenkins, streamlining build, test, and deployment processes to ensure rapid and reliable software delivery.
- Conducted code reviews to ensure code quality, maintain best practices, and collaborated on effort estimation to deliver accurate project timelines and resource planning.
- Led troubleshooting and root cause analysis (RCA) efforts, created comprehensive documentation, and delivered impactful demos to ensure seamless knowledge transfer and stakeholder alignment.
- Collaborated on release planning to ensure smooth deployments and provided production support to resolve critical issues, ensuring system stability and uninterrupted user experience.
- Integrated GitLab and Jenkins to automate nightly test runs, enabling continuous integration and seamless deployment of tests in isolated environments for consistent and efficient testing.
- Leveraged AWS S3 for secure storage and efficient delivery of static assets, ensuring scalability and high availability for web applications. Implemented lifecycle policies and versioning to optimize storage management and safeguard data integrity.
- Implemented Datadog to monitor application performance and infrastructure, enabling real-time insights and proactive issue resolution. Utilized custom dashboards and alerts to optimize system reliability and ensure seamless user experiences.

PROFESSIONAL EXPERIENCE In INDIA

VMware by Broadcom, Bengaluru, India (Onsite) | Staff Engineer

July 2017 – March 2022

Collaborated with Product Managers and UX Designers to translate project requirements and business objectives into polished, user-friendly interfaces and API Specs. Led a team of developers, providing guidance on effort estimation, troubleshooting, and implementing best coding practices. Defined coding standards, introduced new tools, and drove productivity improvements to enhance team performance.

Project: VMware Horizon Cloud & Cloud Admin UI

VMware Horizon Cloud provides a cloud-based single control plane that simplifies management and unifies Horizon environments across on-premises, hybrid, and multi-cloud for the efficient deployment, management, monitoring, and scaling of virtual desktops and applications.

- Designed, developed, and architected user interfaces using front-end technologies including HTML, CSS, JavaScript, TypeScript, Angular, RxJS, React, Bootstrap, and VMware Clarity UI.
- Developed and enhanced the Single Spa library to integrate AngularJS legacy applications with modern Angular framework with new components and created a hybrid app architecture that allows independent development and deployment which helped for gradual migration without disrupting existing functionality.
- Technical guidance and mentoring junior developers involve providing support, sharing best practices, and fostering growth by helping them build skills and confidence through collaborative problem-solving and constructive feedback.
- Developed unit tests and automation testing, code reviews, linting, and CI/CD pipeline tasks work together to ensure code quality, consistency, and reliability by automating checks, testing, and deployment throughout the development process.
- Implemented an automated system for translation of strings, which pushes English strings to the translation server and retrieves all the supported translations during UI artifact creation. This approach saved considerable time for both the translation team and developers.

Project: BFF Service (Backend for Frontend REST APIs)

This service was developed for use in the Angular UI, reducing data manipulation and enhancing performance in the Horizon Cloud Admin interface.

- Designed and developed microservices using Node.js and NestJS, exposing RESTful APIs for seamless communication.
- Automated CI/CD workflows with GitLab Pipelines, Jenkins CI, Docker, and deployed on Microsoft Azure Cloud for scalable and efficient application delivery.

Adobe Systems, Bengaluru, India (Onsite) | Computer Scientist

May 2011 – July 2017

Project: Adobe Store & Customer Support Application

Adobe Store web application enables customers to purchase Adobe products and services through online stores and Customer Support application is developed for Customer Support and Retention agents (Web, Chat & Telephone) to use for Adobe Customers to provide services like product purchase, technical & support cases, Order Management & CRM.

- Worked on a Web Application "Adobe Customer Support & Order Management System" using JavaScript, AngularJS, Bootstrap, Java, ActionScript & Adobe Flex technologies to create Rich User Interfaces. This web application enables customer support and sales agents to assist with the customer's issues and order management.
- Worked on a Web Application "Adobe Store (E-commerce)" using JavaScript, AngularJS, Bootstrap, Java, ActionScript & Adobe Flex technologies to create Rich User Interfaces. This web application enables customers to purchase Adobe products and services through an online store.
- Worked with Product Managers and UX Designers to translate project requirements and business objectives into polished user interfaces.

Fidelity National Financial, Bengaluru, India (Onsite) | Senior Software Engineer

Oct 2010 – May 2011

Project: FNF Property Info App

- Worked on a Mobile Application "FNF Property Info App" using Adobe AIR, Android & Java technologies.

SAP, Bengaluru, India (Onsite) | Senior Solution Consultant

Jan 2008 – Oct 2010

Project: SAP Products Demo's & Concepts UI

- Worked on a Desktop Application "SAP Presentation" using Adobe AIR technology, which enables the SAP Sales engineers to create rich presentations and demos.
- Developed multiple demo applications that are integrated with SAP technologies and showcases SAP's products and services to customers.

Moveo System, Bengaluru, India (Onsite) | Software Engineer

Oct 2006 – Jan 2008

Project: Airport Feedback Reporting Application

- Worked on a Web Application "Airport Feedback & Reporting " using Adobe Flex technology