

SUBASH MAHARJAN
SENIOR SOFTWARE ENGINEER - FRONTEND
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Senior Software Engineer with 10+ years of expertise in architecting scalable frontend systems and leading high-performing, cross-functional teams. Spearheaded the integration of AI-driven tools and ML models that improved system performance and reduced latency for mission-critical applications. Expert in modern frameworks (NextJs, React, Angular, Vue) and platform engineering, consistently delivering intuitive user experiences that exceed stakeholder expectations.

TECHNICAL SKILLS

Frontend & Frameworks: Javascript (ES6+), Typescript, NextJS, React, Vue, Angular, StencilJS, Web Components, Redux, Vuex, RxJS, HTML5, CSS3, Responsive Design

Styling: Flexbox, Grid, CSS variables, SASS, LESS, MUI, Tailwind

Accessibility: WCAG, ARIA, AXE dev Tools, Chrome dev tools, Lighthouse

Testing: Jest, Jasmine, Karma, Puppeteer, PlayWright, Cypress

Performance Optimization: Code Splitting(webpack, rollup), lazy loading, caching strategies

Scalability: Micro-frontend or modular component library like Storybook, Figma

DevOps & Automation: Docker, Kubernetes, CircleCI, Serverless, Jenkins, Terraform, AWS Lambda

Other Languages: Python, Flask, FastAPI, Node.js, Express, Java Spring, Sequelize, GraphQL, SQL

CMS & Frameworks: WordPress, Drupal, Orchard CMS, Shopify

AI/ML: Generative AI (LLMs, ChatGPT, CoPilot), NLT Tools, AI Agents, Big Data

Soft Skills: Analytical & Critical Thinking, Problem-Solving & Decision Making, Continuous Learning

PROFESSIONAL EXPERIENCE

Senior Software Engineer

CACI – Remote | Dec 2023 – Present

- Designed a standardized library of **accessible UI components** using **Angular Material UI** and **Syncfusion**, accelerating cross-team delivery. Spearheaded a strategic partnership with Syncfusion support to streamline customization workflows and **integrated an AI-driven development suite** (GitHub Copilot, ChatGPT, DHSChat) to optimize code generation and peer reviews.
- Developed advanced **GIS-based Single Page Applications (SPAs)** with **Angular 16-19** and **ArcGIS for JavaScript**, significantly improving spatial data visualization and user interactivity.
- Implemented **modular CSS architecture** using **SASS** & theming using **CSS Variables**
- Boosted test coverage to **95%**, reducing bug-related incidents by over **50%**.
- Championed **Agile/Scrum** practices and led sprint retrospectives, enhancing team collaboration and velocity.

Technologies: Angular, Angular Material, Syncfusion, Kubernetes, Java Spring, ArcGIS JS, Maven, REST APIs, Figma

Software Engineer II

Travelers Insurance – Remote | Sep 2020 – Nov 2023

- Created an **accessible component library** adopted company-wide using **StencilJS** and **React/Angular** wrappers, reducing redundant UI development and documented using **Gatsby**.

- Collaborated with cross-functional teams using **Figma**, **Storybook**, **Sketch**, and **Mural** to translate complex requirements into functional UI components.
- Developed internal tools like **Codebank** and **Dependency Matrix** (patent pending), fostering innovation.
- Led CI/CD improvements using **AWS**, **Jenkins**, and **Terraform**, reducing deployment errors by **40%**.
- Enhanced platform performance and accessibility using **AXE tools**, **WCAG guidelines**, and modern analytics via **DynaTrace**.
- Mentored junior engineers, increasing team productivity by 15%.

Technologies: React, StencilJS, Storybook, AWS (Lambda, API Gateway, DynamoDB), Terraform, Jest, Puppeteer, PlayWright, DynaTrace, Figma

Senior Software Developer

Sabre Systems – Remote | Nov 2018 – Aug 2020

- Developed scalable Single Page Applications (SPAs) using **Vue.js**, **Vuex**, **Vuetify**, and **AgGrid** for real-time performance across large datasets.
- Led cross-functional team efforts to integrate APIs with frontend interfaces, ensuring seamless functionality and reduced development cycles.
- Designed and implemented a comprehensive **risk assessment tool** using **C#, ASP.NET Core**, **MVC architecture**, and **Entity Framework**, enhancing internal reporting capabilities.

Technologies: Vue.js, Vuex, Vuetify, AgGrid, C#, ASP.NET Core, MVC, Entity Framework, Node.js, Webpack, CircleCI, Git, AWS, AXE DevTools (Accessibility)

Senior Frontend Engineer

Updater Insurance Division – Charlottesville, VA | Mar 2018 – Oct 2018

- Built reusable UI components using **Vue.js** and **ReactJS**, improving code reusability and design consistency.
- Optimized full-stack deployment pipelines with **CircleCI**, reducing release time and deployment errors.
- Enhanced API response time and developer efficiency via **GraphQL** integration and **Sequelize** for ORM.

Technologies: Vue.js, ReactJS, Node.js, GraphQL, Sequelize, AWS, CircleCI

Senior Frontend Developer – JavaScript

Digital Management Inc. – Remote | Dec 2015 – Mar 2018

- Modernized legacy AngularJS apps by migrating them to **Angular 2.0**, improving performance and maintainability.
- Developed shared component libraries in **AngularJS** and **ReactJS** to unify design and functionality across multiple projects.
- Enforced **WCAG-compliant** standards across applications, ensuring full accessibility.
- Reduced technical debt by **20%** through refactoring and improved code practices.
- Delivered rapid prototypes to stakeholders, frequently traveling to field offices to gather on-site user data and feedback.
- Collaborated closely with UX teams on branding and mockups; coordinated with offshore developers for implementation.

Technologies: AngularJS (1.5/2.0), ReactJS, LAMP Stack, Bootstrap, Drupal 8, RESTful APIs, CI (Gulp, Maven, Azure DevOps), Siteminder, Scrum

UI Developer

SilverChair Inc. – Charlottesville, VA | Apr 2011 – Dec 2015

- Delivered responsive, cross-browser websites using **HTML5, CSS3**, and **JavaScript**, ensuring high usability and compatibility.
- Built custom themes and integrations for **WordPress** and **ASP.NET**, aligned with client branding.
- Spearheaded frontend modernization by modularizing legacy code, reducing bug rates by **25%**.
- Boosted user satisfaction through **Webpack** optimization and iterative improvements based on analytics.
- Designed and developed a **brand-specific component library** with **Bootstrap, Sass/Less**, and **jQuery**, reducing client multi-site branding inconsistencies by **40%**.

Technologies: HTML5, CSS3, jQuery, Bootstrap, WordPress, ASP.NET, Entity Framework, SQL Server

Business Analyst / UI Developer

EnviroApps – Orlando, FL | Apr 2009 – Apr 2011

- Created intuitive user interfaces and workflows for environmental compliance applications, enhancing operational efficiency.
- Integrated frontends with Java-based backend systems and **Oracle DB**, ensuring high system reliability.
- Improved user engagement by optimizing site layout and navigation, based on UX analysis.
- Delivered detailed wireframes and visuals for development teams, bridging the gap between design and implementation.
- Acquired and applied HTML5/CSS3 skills to expedite integration, cutting turnaround time by **30%**.

Technologies: Java, Oracle DB, jQuery, XML, XSLT, AJAX

Independent Projects

- Personal portfolio website using NextJs, React, OpenAI LLM, Langchain, PostgreSQL(Vector embeddings)
- Clothing commercial website using Shopify (Liquid, GraphQL)
- Travel website using Angular SPA and Java
- Teachers association website using responsive web design using HTML5, CSS and JQuery.

EDUCATION

Master of Business Administration (MBA)

Everest University – Orlando, FL | 2006 – 2009

Bachelor of Computer Application (BCA)

Kantipur City College – Kathmandu, Nepal | 2002 – 2005