

# Mahesh Sivangi

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## Summary

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- **Software Engineer with 4+ years of experience** designing, developing, and deploying **full-stack web and enterprise applications** across **fintech and trading** platforms, with strong expertise in **React, TypeScript, Angular, Node.js, and Go**.
- Hands-on backend development experience using **Node.js, RESTful APIs**, and **SQL/NoSQL databases** (MySQL, PostgreSQL, MongoDB, Redis) to build **scalable, data-driven enterprise solutions**.
- Skilled in **AWS Cloud Services** including **EC2, RDS, S3, Lambda, API Gateway**, and **containerization with Docker and Kubernetes**, supported by **CI/CD pipelines** using **Jenkins, GitHub Actions, and AWS CodePipeline**.
- **Optimized system performance and automation processes**, increasing deployment efficiency, reducing production issues, and improving platform scalability across distributed cloud environments.
- Strong understanding of **software architecture and design principles**, including **microservices, modular component-driven development**, and **event-driven workflows** for maintainability and scalability.
- Collaborated with **cross-functional teams**—product, QA, and design—to automate processes, integrate systems, and ensure **data accuracy**, improving delivery speed and overall compliance.
- Passionate about building **automation-first, cloud-native, and data-driven software**, while advancing expertise in **Go, Spring Boot microservices**, and **enterprise data engineering solutions** to help organizations unlock insights at scale.

## Skills & Certification

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**Programming & Frameworks:** Java, Spring Boot, Node.js, TypeScript, JavaScript (ES6+), React.js, Angular, Next.js

**Backend & APIs:** RESTful APIs, GraphQL, WebSockets, Microservices Architecture

**Databases:** MySQL, PostgreSQL, MongoDB, Redis, SQL Server, NoSQL, Data Modeling

**Cloud & DevOps:** AWS (EC2, RDS, S3, Lambda, API Gateway, CloudFront, CodePipeline), Azure DevOps, Docker, Kubernetes

**CI/CD & Version Control:** Git, GitHub, GitLab, Bitbucket, Jenkins, GitHub Actions

**Testing & Quality Assurance:** Jest, React Testing Library, JUnit, Integration & Unit Testing

**Frontend & UI Engineering:** HTML5, CSS3, Tailwind CSS, Bootstrap, Material UI, Responsive Design, Accessibility (WCAG/ARIA)

**Collaboration & Tools:** Agile/Scrum, Jira, Confluence, VS Code

**Certification:** AWS Certified Cloud Practitioner: [\[Credential Link\]](#)

## Work Experience

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### AIG Insurance

Aug 2025 – Present

#### Software Engineer

USA

- Designed, developed, and deployed **full-stack insurance web applications** using **React, Node.js, Java, and Spring Boot**, improving claims processing efficiency by **25%** and enhancing customer experience across internal tools and portals.
- Built and integrated **RESTful APIs** and **GraphQL services** to connect internal claims, billing, and underwriting systems with third-party vendors, reducing data retrieval time by **40%** and streamlining workflows.
- Optimized **PostgreSQL** and **MongoDB** databases through **indexing, caching, and query tuning**, significantly improving data processing speed, analytics performance, and report generation.
- Implemented **secure authentication and authorization mechanisms** using **OAuth2, JWT, and SSO**, ensuring compliance with **SOX, HIPAA**, and enterprise security standards.
- Automated **CI/CD pipelines** through **Jenkins, GitHub Actions, and Docker**, enabling faster testing cycles, smoother production deployments, and consistent environment setups.
- Deployed and maintained applications on **AWS (EC2, S3, Lambda, RDS, API Gateway)**, enhancing application scalability, reducing infrastructure costs by **20%**, and improving disaster recovery readiness.
- Collaborated with **QA, product, and DevOps teams** in **Agile/Scrum** sprints to plan releases, fix defects, and deliver stable, high-quality features that align with business goals.
- Conducted **code reviews** and implemented **unit and integration testing (JUnit, Jest)** to ensure maintainable, reliable, and well-documented code, maintaining **95%+ test coverage** across services.

- Worked on **Breeze**, a **real-time fintech trading platform** for Indian exchanges (**NSE, BSE, MCX**), developing high-performance front-end modules using **React.js, Angular, and TypeScript** to enhance UI responsiveness and trader productivity, reducing **UI-related issues by 30%**.
- Integrated **RESTful APIs** and **WebSocket connections** to stream **live market data**, achieving **sub-second price updates** essential for high-frequency trading and live portfolio analytics.
- Developed and deployed **microservices** on **AWS (EC2, Lambda, RDS)** to process continuous data pipelines, improving **system scalability, reliability**, and reducing **downtime by 20%**.
- Leveraged **Redux** and **RxJS Observables** to manage complex asynchronous data flows, ensuring smooth UI updates and stable performance during **peak trading sessions**.
- Built **interactive dashboards and charts** using **Chart.js** and **D3.js** to visualize market analytics, alerts, and performance trends, increasing **feature adoption by 40%** among active users.
- Implemented **modular, reusable UI components** and optimized **API payloads**, reducing **data latency** and accelerating **new feature development cycles by 25%**.
- Established **automated build and deployment pipelines** using **Jenkins and GitHub Actions**, integrating **unit testing and code reviews** to maintain high code quality and ensure stable releases.

- Developed and maintained **client-facing web platforms** and **business dashboards** for multiple industries including retail, healthcare, and e-commerce, improving overall **site performance and usability**.
- Built and optimized **responsive websites and landing pages** using **Angular.js, HTML5, CSS3, Tailwind CSS, and Material UI**, ensuring pixel-perfect layouts and **cross-browser compatibility**.
- Collaborated with the design and marketing teams to implement **SEO-friendly structures**, improving page ranking and **organic traffic for key client websites**.
- Integrated **RESTful APIs** for CRM, analytics, and third-party marketing tools, automating campaign tracking and **reducing manual reporting efforts by 30%**.
- Migrated several legacy projects from **JavaScript to TypeScript**, increasing maintainability and reducing runtime issues by **45%**.
- Built **reusable UI components** and implemented **accessibility (WCAG/ARIA)** and **mobile-first design**, ensuring consistent performance across devices.

Education

Projects

Breeze (63moons Technologies Limited)

Real-Time Fintech Trading Platform

- Developed a **trading UI** for Indian exchanges (**NSE, BSE, MCX, NCDEX, NSEL**) using **React, Angular, and TypeScript**, implementing **reusable components** and **responsive layouts** with **Tailwind CSS**.
- Streamed **real-time market quotes** using **WebSockets** and **RxJS Observables**, enabling **sub-second updates**, smooth chart refreshes, and synchronized data across trading dashboards for improved responsiveness.
- Implemented **JWT-based authentication and session management** to secure user access; used **RxJS Subjects/BehaviorSubjects** for stateful UI patterns, keeping data in sync and reducing redundant API calls by **35%**.
- **Tech Stack:** React, Angular, TypeScript, RxJS, Tailwind CSS, WebSockets, JWT, Chart.js/D3.js

CryptoTrack | CryptoTrack- Cryptocurrency Tracking Application [\[Project Link\]](#)

- Built a cryptocurrency tracker with **search, watchlist, portfolio, and interactive charts** using **React, and TypeScript**.
- Implemented a **coin search feature** using **AWS S3, Lambda, and API Gateway**, enabling efficient, serverless data retrieval.
- Deployed the platform on **AWS EC2 and Amplify**, ensuring scalability, availability, and fast content delivery.
- Tech: Next.js, React, TypeScript, Tailwind CSS, AWS (S3, Lambda, API Gateway, EC2, Amplify), Chart.js/Recharts