Shashanka B S

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SUMMARY

Full-stack developer with 3+ years of experience building scalable web applications using React, NodeJS, ExpressJS and Spring Boot. Proven track record of leading engineering teams, optimizing performance, and delivering enterprise-grade solutions.

EXPERIENCE

TIGER ANALYTICS   *June 2022 - Current*

Lead Engineer   *January' 25 - Current*

- Collaborated across the full development lifecycle—from data model design to deployment—using CosmosDB and Azure DevOps, delivering scalable web solutions that served over 10000 users and 750-800 concurrent users.
- Managed a team of 4 engineers, delivering hands-on technical guidance, enforcing code quality through rigorous reviews, and supporting full-cycle development.
- Leveraged SonarQube in CI/CD pipelines to uphold stringent code quality standards, resolve critical issues, bugs and maintain >80% test coverage, contributing to a cleaner, more secure codebase.

Senior Engineer   *July' 23 - January' 25*

- Integrated backend microservices with React-based front-end dashboards using autopolling, enhancing real-time data flow; optimized performance with Redux and Axios, reducing data refresh latency time by 50%.
- Developed scalable microservices with GraphQL endpoints using Spring Boot, delivering reliable backend functionality achieving 50% reduction in response time and ensuring high code quality through maintaining >90% test coverage.
- Built boilerplate applications featuring customizable themes and modular, reusable components to accelerate future development and ensure consistent UI/UX and API standards cutting initial development time by a month.
- integrated secure authentication workflows leveraging Google OAuth2, Microsoft Authentication Library (MSAL), and Okta enabling seamless single sign-on (SSO) across platforms.

Application Engineer   *June' 22 - June' 23*

- Developed responsive, user-friendly web applications using React and Typescript, ensuring high performance and scalability by applying best practices such as lazy loading and memoization.
- Translated UI/UX design wireframes into clean, efficient, and reusable components using modern React paradigms (Hooks, Redux). Wrote comprehensive unit test cases using Jest, achieving >80% test coverage.
- Created comprehensive, developer-friendly documentation for APIs and UI logic, streamlining onboarding, code reviews, and cross-team alignment.

TECHNICAL SKILLS

- **Languages**: JavaScript, TypeScript, Java, Python, SQL
- **Frontend**: React, Redux Toolkit, MUI, Recharts, Apex charts
- **Backend**: Spring Boot, GraphQL, REST APIs, NodeJS, ExpressJS
- **DevOps & Tools**: Azure DevOps, Git, SonarQube, MSAL, Okta
- **Testing**: Jest, React Testing Library, Vitest, Junit

EDUCATION

Bachelor of Architecture (*Micro-specialization in Entrepreneurship and Innovation*)	Year: 2022
Indian Institute of Technology (IIT), Kharagpur	CGPA: 8.19 / 10
Class XII Board Examination (CBSE)	Year: 2017
LASEA, Jhalawar	Percentage: 89.8%
Class X Board Examination (KSEEB)	Year: 2015
SRKVS, Mysore	Percentage: 97.76%

PROJECTS

Web Dev Projects

Developed and deployed multiple full-stack web applications—including a profile website, shopping app, URL shortener, and to-do app—using React with JavaScript and TypeScript for scalable, responsive user experiences.

Opportunity Pipeline Forecasting

Developed a predictive classification model to assess conversion rates for a semiconductor firm using Python, MySQL, and Scikit-learn; visualized insights with Seaborn, matplotlib and Excel, streamlined data, executed preprocessing, prepared train-test splits.

CERTIFICATIONS

- Certified Analytics Associate, Tiger Analytics   *Sep' 22*