SUNDAR MACHANI

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PROFESSIONAL SUMMARY

Full Stack Software Engineer skilled in building scalable, high-performance web apps using Java/Spring Boot and the MERN stack. Experienced in designing microservices, optimizing REST APIs, and developing responsive React frontends. Known for delivering clean, maintainable code, resolving production issues quickly, and collaborating effectively within agile teams.

WORK EXPERIENCE

Software Engineer
Rakuten Symphony, Bangalore, India   March 2022 – August 2023

- Refactored quotation line logic in the Account microservice used across Rakuten Mobile's B2B platform to improve performance under scale; reduced API response time by 25% while handling 1M+ monthly orders.
- Led a custom Grafana observability framework to track failed API calls, response codes, and trace IDs; reduced debugging time by 35% and eliminated the need to access Kubernetes logs manually.
- Conducted a JFrog security audit, resolving 75+ vulnerabilities and increasing compliance from 65% to 87%; also led the migration from Spring Boot 2.5.4 to 2.7.5 with zero downtime.
- Increased test coverage from 57% to 92% across 4 microservices (Account, Quote, User, API Gateway) by writing 300+ JUnit test cases, reducing bugs and improving code reliability.
- Owned API onboarding and delivery by documenting new endpoints and coordinating with frontend and API Gateway teams; accelerated integration cycles and ensured alignment across Account and Quote modules.
- Implemented a SOAP API in the Quote microservice to retrieve external mobile plan data, removing internal service dependency and improving quotation accuracy and response time.
- Identified and documented recurring authentication issues between Keycloak and UMS in production; improved L3 support resolution by 40% and reduced triage dependency for routine login failures.

Software Engineer (Volunteer)   February 2025 – Present
One Community Global, Remote

- Built and maintained features for the Highest Good Network MERN app, resolved bugs, optimized UI/UX with Redux and Redis, and launched a 9-card Weekly Summary dashboard to improve visibility into team and project progress.
- Led a global team of 14 engineers by assigning tasks, reviewing PRs, and delivering weekly summaries to leadership, ensuring code quality and cross-team alignment in a 100% remote open-source project.

EDUCATION

Illinois Institute of Technology, Chicago, IL   December 2024
Master of Science, Computer Science

Gandhi Institute of Technology and Management, Bangalore, India   June 2021
Bachelor of Technology, Computer Science and Engineering

TECHNICAL PROJECTS

CommerceCore – Full-Stack E-Commerce Platform   January 2024 – February 2025

- Developed a full-featured e-commerce platform with user authentication, Stripe payments, and role-based access control. Built an admin dashboard for managing products and orders; deployed for high availability on Vercel and Render.

StoryVault   December 2024 – January 2025

- Engineered a secure digital diary app with full CRUD functionality and JWT-based authentication. Achieved 100% test coverage and integrated Swagger UI to streamline API testing and onboarding.

SecureBank   November 2023 – December 2023

- Built the backend for a banking system supporting 10,000+ users, implementing secure JWT authentication, data encryption, and ACID-compliant transaction processing.

SKILLS

- **Languages:** Java, Python, JavaScript, TypeScript, SQL, HTML, CSS
- **Frameworks & Libraries:** Spring Boot, React.js, Node.js, Express.js, Flask, Redux
- **Databases:** PostgreSQL, MongoDB, MySQL, Couchbase
- **DevOps & Tools:** Docker, Kubernetes, Jenkins, JFrog, GitHub Actions, Redis
- **Cloud & Deployment:** AWS, GCP, Vercel, Render
- **Other:** RESTful APIs, SOAP, JWT, Git, Agile, Swagger, Postman