

RAJENDRA MANDLIYA

Software Developer Engineer

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LeetCode: <https://leetcode.com/mandliyarajendra11> | GitHub: <https://github.com/mandliyarajendra11>

SUMMARY

I am a Software Developer Engineer who believes in solving complex problems, providing valuable suggestions. My focus is on maintaining high standards of code quality and efficiency while delivering impactful solutions that enhance overall project performance.

TECHNICAL SKILLS

- **Frontend Development:** React.js, Redux Toolkit Query, TypeScript, Vitest, MSW, Bootstrap & Tailwind
- **Backend Development:** FastAPI (Python), Stripe, WebSocket, Pytest, microservices – Kafka
- **Database:** PostgreSQL, MongoDB
- **DevOps:** Azure Application Insight, Azure API Management Service, Cognito, Azure Blob Storage, Grafana with Prometheus & Loki data source
- **Programming Languages:** C++, JavaScript, Python
- **Other:** Git & GitHub, Twilio, SendGrid, Mixpanel, Playwright

WORK EXPERIENCE

TECHDOME

Indore

Full Stack Developer

24 July 2023 - 03 December 2024

- **Led full-stack development** with React.js, FastAPI, and MongoDB, boosting API performance by 80% and cutting bug count from 30-50 to 0-5 per sprint through unit testing and PR reviews
- **Developed** role-based authentication using **AWS Cognito** and configured **Azure API Gateway**, improving API security and scalability.
- **Increased code quality and test coverage** to 95% across multiple modules, utilizing **Vitest**, **MSW**, and **Pytest**.

OPEN SOURCE CONTRIBUTION & FREELANCING

Indore

Frontend Developer

19 December 2022 – 31 July 2023

- **Developed a comprehensive front-end** for a banking web application with over 8 modules as a freelancer, enhancing user experience and functionality.
- **Built** a real-time notification system with **Firebase** for instant alerts, improving user response time.
- **Integrated** a **Discord webhook** for real-time reporting of critical metrics, automating overdue instalment tracking.
- **Contributed** to the **GirlScript Open Source Program**, submitting over 19 pull requests across various open-source projects.

PROJECTS

Catalyst – Enterprise Resource Planning Software

At- Techdome

Full Stack Developer | React.js, Fast API, MongoDB

- **Reduced bug count from 30-50 per sprint to 0-5** by implementing comprehensive test coverage for both front-end and back-end, enforcing strict pull request reviews, and providing clear technical documentation of user stories to the management team.
- Improved **API response time by 80%** through the use of MongoDB **aggregation pipelines** and **reduced the database calls**.
- **Refactored the frontend** codebase by introducing TypeScript, Storybook, JSDocs, and Formik, improving code quality and reducing form-related bugs by 30%.
- **Built** M2M and role-based authentication in **AWS Cognito** with custom tokens using **Lambda** and verified via authorization dependencies.
- Configured API Gateway using Azure API Management and developed a custom developer portal, integrating OpenAPI, JWT, caching, and rate-limiting policies.
- **Implemented a microservice architecture** using Kafka and Azure API Management for 6 modules, enhancing scalability and system resilience.
- **Built 2 monitoring dashboards** using **Azure Application Insights & Grafana** to track API performance, Kafka health, and system exceptions.

US Connect - Communication Service Provider

At- Techdome

Full Stack Developer | React.js, Fast API, PostgreSQL

- **Led** the full-stack development of **Agent Portal** and **SIM Portal**, managing both frontend and backend.
- Engineered 3 interactive **IVR flows for customer service using Twilio**.
- **Integrated Stripe** for secure payment processing in the **SIM activation portal**, improving transaction speed.
- **Integrated Zoho CRM** via webhook for real-time inventory data sync, streamlining updates.

ACCOMPLISHMENTS & ACTIVITIES

- Solved 500+ DSA questions on [LeetCode](#).
- Published tech articles on [Medium](#), covering full-stack development.
- Grew a YouTube channel to 25K+ subscribers.
- Knowledge of on-page/off-page SEO, applied to personal projects.

EDUCATION

Bachelor of Computer Applications (BCA)

April 2023

Vikram University, Ujjain (M.P.)

12th (HSC)

2020

M.P. Board, Bhopal (M.P.)