AYUSH TYAGI

Software Development Engineer

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github.com/ayush-tyagi   **linkedin.com/in/ayush-tyagi**

Portfolio   Leetcode   Bangalore, India

EXPERIENCE

MTS -2 Backend Developer

AQUERA LABS

📅 04/2024 - Present   📍 Bangalore, India

NODE.JS | REDIS | AWS | POSTGRESQL | SCIM

- Developed SCIM-based identity integration and HR automation connectors, handling 300K–400K user syncs.
- Built and deployed AWS Lambda solutions using Redis and optimized algorithms, **reducing integration response times by 30–40%**.
- Optimized API interactions and wrote **unit tests with 90%+ code coverage**.

Full Stack Developer Intern

PRAMATA KNOWLEDGE SOLUTIONS

📅 09/2023 - 01/2024   📍 Bangalore, India

RUBY ON RAILS | React.js | Docker | POSTGRESQL | JENKINS | WebSocket

- Built and enhanced contract management solutions using **Ruby on Rails and React.js** with server-side rendering, **improving load times by 10–20%**.
- Engineered robust testing suites via test-driven development, elevating API reliability scores by 40% and improving backend efficiency, achieving a 25% reduction in server response times.
- Pioneered AI-driven recommendation engine, delivering personalized contract suggestions that improved user engagement by 30% and slashed contract processing time by 15 hours weekly.

Full Stack Developer Intern

MCKINSEY & COMPANY

📅 01/2023 - 07/2023   📍 Bangalore, India

React.js | Express.js | PostgreSQL | Prisma | Docker | AWS (EKS, ECR) | RabbitMQ

- Built a project templating system that auto-deploys to **AWS EKS, reducing setup and deployment overhead** for new services. Integrated RabbitMQ for efficient message queuing improving **real-time communication latency by 25%**, and applied **TDD principles** to ensure robust code quality with over **90% test coverage**.
- Constructed an interactive Product Owner portal utilizing React.js, Node.js, and PostgreSQL, visualizing user story progress and burn-down velocity, resolving the team's biggest bottleneck.

EDUCATION

Bachelor of Engineering

NATIONAL INSTITUTE OF ENGINEERING - 8.8 CGPA

📅 2019 - 2023   📍 Mysore, India

PROJECTS

☐ SOCIAL 🚀

NODE.JS | REACT.JS | EXPRESS.JS | MONGODB | SOCKET.IO

- Developed a social media platform with **user registration, image sharing**, and friend interactions using Node.js, React.js, and Express.js.
- Engineered a scalable data storage solution using MongoDB, and enabling efficient data retrieval, which reduced query times by 40% and improved application performance.

☐ SQL Data Warehouse 🚀

SQL SERVER EXPRESS | SQL SERVER MANAGEMENT STUDIO | DRAW.IO | NOTION

- Designed and implemented a modern data warehouse using **Medallion Architecture** (Bronze, Silver, Gold layers) with **robust ETL pipelines and dimensional modelling** for analytical reporting.
- Delivered SQL-based dashboards providing insights into customer behaviour and sales trends.

☐ FLUTTER CHAT APP 🚀

NODE.JS | REACT.JS | EXPRESS.JS | MONGODB | SOCKET.IO

- Engineered a cross-platform real-time chat application using Flutter, Dart, and Firebase, achieving a 99.99% uptime and enabling instant message synchronization for 1,000+ concurrent users.
- Implemented push notifications and cloud messaging to optimize **real-time communication** and enhance user experience.

SKILLS

☐ Programming Languages and Technologies

JavaScript | C++ | Python | Ruby |React.js | HTML | CSS | Material UI | bootstrap | Nodejs | Express.js | Ruby on Rails

☐ IT Constructs

Data Structures and Algorithms | Object Oriented Programming | System Design (LLD)

☐ Cloud & Tools

AWS (EKS, Lambda, S3, ECR) | Docker |Kubernetes RabbitMQ | Prisma | OKTA | Figma | Git | GitHub | Bitbucket | Jira