AYUSH DUBEY

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Results-driven Software Engineer with 3.5 years` experience developing and optimizing scalable solutions. Proven expertise in optimizing backend and Frontend services, automating complex workflows, and enhancing system performance. Skilled in driving cross-functional collaboration, improving code quality, and delivering enterprise-level applications aligned with business objectives.

EDUCATION

BACHELOR OF ENGINEERING, Computer Science, Rajiv Gandhi Institute of Technology
Open Source Contributions

These link point at closed pull request for, **Reth:** link , **Revm:** link , **Foundry:** link , **Alloy**: link respectively.

SKILLS

Programming Languages: Java , C++ , Python ,Golang, Rust , Kotlin , SprinBoot , Javascript , Linux ,Angular, React, Node.js, NextJs, TypeScript , HTML5, CSS3, Express.js , three.js , Rest API, GraphQL , Vue Js , Express Js
Tools & Framework: AWS, Kafka, Redis, REST APIs, Docker, Kubernetes, GitHub, Jenkins, SonarQube, BlackDuck
Database: PostgreSQL, NoSQL (MongoDB), SQL, Oracle Cloud

PROFESSIONAL EXPERIENCE

Sr. SoftwareEngineer, Capgemini   Dec. 2023–Present
Client:Mercedes

Tech Stack: React, Golang, Kafka, Docker, Kubernetes, AWS, NoSQL, Angular, Node.js, Express.js, PostgreSQL, Redis

- Automated inventory management for automobile components, **enhancing operational efficiency by 40%** and data accuracy by 35% across Europe.
- Streamlined the certification process for by constructing a robust infrastructure, boosting **efficiency by 70%**
- Unified 25+ internal systems by **integrating modular APIs** with the **central certification platform**, enabling automatic data synchronization, **reducing manual errors by 40%**, and eliminating data duplication.
- Enhanced code quality by **creating modular components** and using Docker and Kubernetes for **scalable deployments.**
- Streamlined **enterprise architecture**, achieving 80% code coverage on the front-end and 90% on the back-end through rigorous unit testing and integration pipelines

SoftwareEngineer, Capgemini   Aug. 2022–Dec. 2023
Client:Stellantis

Tech Stack: Angular, Java, Spring Boot, AWS, SonarQube, Black Duck, SQL, JavaScript, HTML, CSS

- Optimized **caching mechanisms**, resulting in 40% faster application performance for in-house manufacturing ERP systems.
- Boosted code quality by implementing **static analysis tools** to achieve 90% compliance with coding standards.
- Configured **APIs with JWT-based 2FA**, enhancing system security by reducing unauthorized access attempts by 30%.

PROJECTS

FeroLug Travel Website
Tech Stack: OpenAI, Next.js, AWS, MongoDB, Machine Learning

- Developed an AI-powered platform to create **personalized itineraries**, boosting user engagement with tailored experiences.
- Enhanced performance by **reducing application response time by 42%** using Next.js, AWS, and MongoDB.

MindMend GitHub
Tech Stack: JavaScript, ReactJS, Spring Boot, PostgreSQL

- Pioneered innovative self-healing application that integrates therapeutic sessions with **interactive games**, offering a user-friendly and engaging approach to mental wellness.
- Spearheaded the development of UX by integrating gamification with relaxing practices to **enhance mental health support.**

FinVerify - AI-Driven Signature Verification for Banking GitHub
Tech Stack: OCR, Connected Components, Line Sweep Algorithm, Support Vector Machine, Artificial Neural Networks

- Conceptualized and developed an AI-powered model for detecting and verifying signatures on bank cheques, utilizing **OCR-based localization** techniques.
- Implemented Connected Components Analysis, Line Sweep Algorithm, and **geometric feature extraction** with SVM and ANN classification, achieving a **91% accuracy rate** in signature authenticity verification.