

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.