

ROHIT PATIL

Pune, Maharashtra

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EDUCATION

Pune Institute of Computer Technology, Pune

07/2020 – 06/2024

B.E. Computer Engineering - CGPA - 9.36

Pune, India

WORK EXPERIENCE


UBS 

08/2024 – Present

Software Engineer

Pune, India

- Built **Spring Boot** REST APIs and a **React**-based admin portal for managing Life Insurance company and product setup, removing recurring **Liquibase data migrations** required for operational updates.
- Integrated enterprise document classification and protection workflows within report pipelines using **OAuth token exchange**, **mTLS authentication**, and internal data sensitivity APIs to satisfy firm-wide regulatory and compliance requirements.
- Engineered the frontend architecture and UI of a dashboard with **React**, **Tailwind CSS**, **ag-Grid**, **Highcharts**, and **UWR widgets**; integrated **SSO authentication** via **Microsoft Identity (MSAL)**.
- Developed **Flask APIs** with **PostgreSQL**, **CRUD workflows**, email alerts, and **Alembic**-based database migrations for dashboard modules.
- Migrated legacy **ITIL** data sources to **MongoDB aggregation pipelines** through API integrations.
- Optimized **GitLab CI/CD pipelines**, reducing execution time from **13 to 2 minutes** through build optimization and dependency caching.

Quoppo LLC 

01/2024 – 07/2024

Software Engineer Intern

Pune, India

- Created a subscription **API server** using **Node.js**, **TypeScript**, **PostgreSQL**, and **Prisma**; integrated **Lago billing**.
- Integrated **Adyen** for recurring payments; implemented **webhooks** for **Lago** event handling.
- Built collaborative chat plugin using **Automerge CRDT**; used **MongoDB + Prisma** for chat data persistence.
- Added **image-sharing** to chat via **Cloudflare R2**; extended plugin using **DOM manipulation**.
- Built contact/early-access form tool using **Node.js**, **PostgreSQL**, **SendGrid**, and **TypeScript**; demonstrated **end-to-end ownership**.
- Streamlined **Docker builds** with **GitHub Actions**; accelerated deployments and reduced errors.

PROJECTS

CompressSync  | **BullMQ** (Redis), Node.js, MongoDB

11/2023 – 11/2023

- * Engineered an asynchronous image processing system for batch CSV image uploads and cataloged product metadata in **MongoDB Atlas**.
- * Orchestrated background image compression via **BullMQ (Redis)** queues, shrinking image sizes by 50%, and archiving optimized files in **Cloudflare R2**.
- * Constructed a **status-tracking API** with webhook integration, validated data with **Zod**, implemented structured logging using **Winston**, and deployed services via **GitHub Actions**, Docker, and **Render**.

V2data  | **Spring Boot**, **PostgreSQL**, **Cloudflare Workers AI**

07/2024 – 09/2024

- * Engineered a **REST API service** for audio upload, transcription, and structured notes; secured endpoints with **JWT-based authentication & authorization** and email verification via Mailgun.
- * Coordinated **event-driven asynchronous processing** using Spring Application Events, integrated AI models via **Cloudflare Workers AI**, **@cf/openai/whisper-large-v3-turbo** for speech-to-text, and **@cf/meta/llama-3-8b-instruct** for notes generation.
- * Configured secure file storage with **AWS SDK + Cloudflare R2**, orchestrated **Flyway** migrations for PostgreSQL, implemented structured logging with **Logback + Logstash Encoder**, and deployed containerized services via **Docker Compose**.

TECHNICAL SKILLS

Languages: C++, JavaScript, TypeScript, SQL, NoSQL, Python, Java

Front-end: HTML, CSS, ReactJS, NextJS, Tailwind CSS

Back-end: NodeJS, ExpressJS, Flask API, Spring Boot, MongoDB, MySQL, Prisma, PostgreSQL

Tools & DevOps: Git, GitHub Actions, GitLab CI/CD, Docker, Redis, Cloudflare, AWS SDK

Coursework: Data Structures and Algorithms, Object-Oriented Programming, Operating System, Database Management System, Computer Networks