Dhawal Pandya

Software Engineer

+91 90990 81738 · **dhawal-pandya.github.io**

linkedin.com/in/dhawal-pandya/

dhawalpandya.01@gmail.com

SKILLS

Languages: Python • JavaScript • Go • Java • Rust

Databases: PostgreSQL • MongoDB

Frameworks: React • NextJS • Angular • Flask • Node • Express

DevOps: Docker • Kafka • GCP • AWS

EXPERIENCE

Product Development Engineer · Razorpay
July 2024 - Present

- Part of the core Cards and Recurring Infra team at MandateHQ, a system enabling creation of mandates for recurring payments (e.g., subscriptions for services like Netflix) which handles a traffic volume of 50k/min
- Integrated credit card mandate creation in MandateHQ for recurring payments for multiple banks
- Took complete ownership and fully integrated Rupay cards for mandates
- Led cross-team collaboration to streamline mandate processing and ensure compliance with payments Infrastructure for integration of different networks (Visa, MasterCard, Rupay)
- Implemented multi-architecture support (arm64/amd64) for key applications across 4 subsystems
- Utilised cross-compilation instead of emulation which resulted in a reduced build time for our code by 84%
- Indexed high-usage databases based on logs, reducing DB response time from 200ms down to 50ms
- Fixed 30+ vulnerabilities by updating packages and modifying modules to meet PCI DSS standards.
- Developed a Prometheus-based dashboard for API tracking for latencies and traffic, enabling failure tracking and real-time alerts.
- Optimised API Gateway for improved traffic handling and better performance
- Part of the core team managing mandates with on-call responsibilities and using tools like Spinnaker, Coralogix and Zenduty

Full-Stack Developer · Neweb Labs
April 2023 - June 2024

- Coding, debugging, refactoring and maintaining code-base for Go and Java based REST API backend services deployed in production environment
- Improved system workflow to be optimised for paid and unpaid video streaming, with the relevant security measures, reducing latencies to 120ms
- Wrote 6 core and 5 auxiliary microservices from scratch and took responsibility for seeing it through to completion with its Frontend Applications as well
- Integrated Payment Gateways, Stripe and RazorPay into the platform using their SDK and writing custom functions wherever required, which significantly contributed to monetization efforts and increased company revenue
- Wrote a low-latency, high-performance media delivery system using AWS S3, optimising performance for large-scale video streaming
- Also participated in discussions including selection of suitable technologies for frontend, backend or a DBMS

EDUCATION

Bachelor of Science · Chemistry · Veer Narmad South Gujarat University · Distinction

PUBLICATIONS

· 10 Best Practices for Writing Clean React Code

· What Is a Python KeyError Exception and How to Fix It?

· Master React User Authentication: A Comprehensive Guide