Farhan Irani

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WORK EXPERIENCE

Deutsche Bank
Pune, India

Software Engineer [SDE-2] [ReactJS, Golang, PostgreSQL, Google Cloud Platform]
July 2022 - Present

- Refactored Helpdesk backend into Go based microservices with gRPC, reducing infrastructure costs by 25% and improving scalability.
- Engineered a secure invoicing portal for corporate clients, enabling authentication, invoice access, and payments via mandates or DMG's payment gateway to create an end-to-end digitalized collection workflow.
- Formulated and integrated US-ACH payment processing pipelines to streamline digital collections, ensuring reliable, scalable, and compliant handling of transactions.
- Led a team of 3 engineers in building Helpdesk frontend with shadcn UI, enforcing modular architecture and strict quality standards while fostering collaboration and technical growth.
- Implemented Razorpay as a payment gateway with advanced edge case handling, retry-safe mechanisms, and concurrency support, achieving near 100% transaction success rates.
- Built idempotent ticket-processing pipelines with distributed transactions and retry-safe operations, eliminating duplication and boosting throughput efficiency by 40%.
- Collaborated closely with the Frontend team to ship React.js web interfaces and custom UI libraries (shadcn UI), ensuring pixel-perfect design and optimized user journeys.
- Collaborated closely with cross-functional teams (Product, Design, QA) to ensure timely delivery of high-quality features; led troubleshooting sessions and championed a culture of continuous improvement and innovation.

The Liana Trust, NGO
Remote

Core Software Developer [App & Web] [React Native, Node.js, MongoDB, Redis, Google Cloud Platform]
August 2024

- Developed a cross-platform app to digitize snake lifecycle management for 200+ snakes, reducing manual errors and increasing tracking efficiency by 80%.
- Implemented role-based access control (RBAC) with multi-user permissions, ensuring secure handling of sensitive data and eliminating operational errors.
- Devised a companion web-based admin portal (Vite + React) to manage users, generate QR-coded snake IDs, and oversee breeding and lineage data, improving administrative efficiency.
- Optimized backend services with Redis caching and MongoDB indexing, cutting data retrieval latency and maintaining near 100% uptime since launch.

Zoroastrian Premier League - *[link]*
Mumbai, India

Core Software Developer [App & Web] [ReactJS, Node.js, MongoDB, Redis, Firebase, GCP]
March 2023

- Engineered a full-stack MERN progressive web app (PWA) for the Zoroastrian Premier League football tournament, published to iOS and Android, with 1,500+ downloads and 330+ active fantasy players.
- Designed a fantasy football engine with captain/chip mechanics, budget rules, and automated real-time scoring for 80+ matches, powering leaderboards and error-free live updates.
- Created an admin portal that streamlined player, team, and match management, reducing tournament operations workload by 80% and enabling features like live infographics, historical stats, and player comparison tools.

EDUCATION

Bachelors in Computer Engineering
Mumbai, India

University of Mumbai - 9.22 CGPA
(2018 - 2022)

SKILLS

Backend: Golang, Node.js, Spring Boot, Express
Frontend: React, Typescript, Expo
Databases: PostgreSQL, MySQL, MongoDB
Cloud & DevOps: Google Cloud Platform (GCP), Vercel, GitHub
Others: gRPC, REST APIs, Microservices, System Design