

Farhan Irani

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WORK EXPERIENCE

Deutsche Bank

Pune, India

Full Stack Software Engineer [SDE-2] [React, Golang, Java, Spring boot, PostgreSQL, GCP]

July 2022 - Present

- **Led a team of 3 engineers** in building the Helpdesk frontend with **React + shadcn UI**, enforcing modular architecture, code quality standards, and fostering technical growth through mentorship and collaboration.
- Engineered a **secure invoicing software** to automate invoice payments and collections, integrating mandate flows and DMG's payment gateway to build an end-to-end digitalized collections workflow.
- Refactored Helpdesk backend into **Go based microservices with gRPC**, reducing infrastructure costs by 25% and improving scalability.
- **Implemented Razorpay** as a payment gateway with advanced edge case handling, concurrency-safe retries, and reconciliation flows, achieving near 100% transaction success rates.
- Collaborated closely with the **design and product teams to deliver pixel-perfect**, performant, and accessible React interfaces, while developing custom UI component libraries to accelerate feature delivery and maintain design consistency.
- Built **idempotent ticket-processing pipelines** with distributed transactions and retry-safe operations, eliminating duplication and boosting throughput efficiency by 40%.
- Formulated and integrated **US-ACH payment processing pipelines** to streamline digital collections, ensuring reliable, scalable, and compliant transaction handling.
- Partnered with cross-functional teams (Design, QA, Product) 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, React, TypeScript, Node.js, MongoDB, Redis, GCP]

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

Bachelor's Degree - 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