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Huzaifa Pitolwala

Lead Software Engineer | Backend Systems | Scalable Architecture

EXPERIENCE

Cornerstone, Mumbai – *Lead Software Engineer*

May 2023 – Till Date

- Architected and deployed a **Global SSO platform (Okta, SAML, JWT)** enabling seamless authentication across multiple products, improving enterprise login experience and reducing auth friction
- Designed and implemented **user access & proficiency systems** supporting **10M+ users**, ensuring consistency and scalable access control
- Optimized critical database queries using **indexing, caching (Redis), and query tuning**, reducing latency by **~70%** and improving high-traffic API performance
- Led a team of **3 engineers**, driving code quality through TDD adoption and reducing production defects by **50%**
- Built **LxMediaHub (ActiveStorage-based media platform)** replacing Filestack, achieving **FedRAMP compliance** and reducing estimated Filestack costs by **~\$500k/year**
- Developed **dynamic user management system** enabling rule-based processing at scale (**1M users/day**)
- Improved backend reliability through API optimizations and performance enhancements across core services
- Introduced **AI-assisted development workflows**, improving engineering productivity and reducing turnaround time

Genpact Headstrong, Bangalore – *Lead Consultant*

Client – PAYPAL

SEP 2020 – MAY 2023

- Owned **end-to-end development and delivery** of marketing platforms for **Braintree**

- Led migration of **Braintree marketing systems** → **PayPal platform**, improving maintainability and reducing duplication
- Built and optimized **React-based UI systems** for SMB and enterprise users, improving engagement and performance
- Contributed to development of **internal CMS platform**, enabling non-engineering teams to manage content at scale
- Collaborated with **Product, Legal, and Marketing teams** to deliver compliant features across global markets

HealthGraph India, Bangalore – *Technical Lead*

JAN 2016 – SEP 2020

- Led engineering for a **cloud-based healthcare platform** supporting hospital operations and patient data workflows
- Designed and implemented **auto-scaling AWS infrastructure (EC2, ASG)**, improving system availability and handling traffic spikes without downtime
- Built **queue management system from scratch**, improving operational efficiency and request handling
- Developed and scaled **core platform modules** including billing, patient timelines, and reporting systems
- Managed and mentored engineering team, driving delivery, architecture decisions, and code quality

SKILLS

Core Strengths

- Scalable System Design
- Performance Optimization
- Backend Architecture
- API Design (REST, versioning, idempotency)
- Distributed Systems Fundamentals

Languages & Frameworks

- Ruby, JavaScript
- Ruby on Rails, React

Infrastructure & Cloud

- AWS (EC2, S3, IAM, Auto Scaling)
- Redis (Caching), SQL, MongoDB