

Arpit Patidar

Senior Software Engineer · Fintech & Distributed Systems · 7+ Years

+91 8602622970 | arpit.ptdr@hotmail.com | linkedin.com/in/arpitpatidar | Mumbai, India

PROFESSIONAL SUMMARY

Senior Software Engineer with 7+ years building fintech platforms and cloud infrastructure. Two-time founder/CTO with hands-on experience shipping payment systems, investment platforms, and POS products from zero to production. Managed 40+ engineers delivering a \$3M project at a Leading AI Engineering Firm. Core stack: TypeScript, Node.js, Go, Python, AWS, Kubernetes, Terraform. Track record of owning entire product stacks end-to-end, from API design and data pipelines to React frontends and CI/CD automation.

PROFESSIONAL EXPERIENCE

Engineering Lead · Leading AI Engineering Firm

Aug 2025 – Feb 2026

Managed distributed engineering team delivering enterprise infrastructure-as-code platform across multi-cloud environments.

- › Directed **40+ engineers** delivering a **\$3M IaC automation project** spanning AWS CDK, Pulumi, Terraform, CloudFormation, and CDKTF across TypeScript, Python, Go, and Java
- › Reduced end-to-end deployment and test cycle from **1.5 hours to under 20 minutes** by redesigning the CI/CD pipeline and automating provisioning workflows
- › Cut infrastructure costs by **70%** (\$580–640K/year to ~\$180K/year) by optimizing resource allocation, implementing **LocalStack** for local testing, and eliminating redundant cloud spend
- › Increased team deployment velocity from 10–15 pushes/day to **80–100 pushes/day** through pipeline automation, parallelized testing, and streamlined review processes
- › Architected **distributed agent execution system** scaling from 30 local agents to **10,000+ concurrent executions** via Lambda + SQS, with EC2 fleet and Kubernetes tiers
- › Authored **1,700+ integration and unit tests** enforcing 100% coverage across all IaC templates and 30+ AWS services

Senior Software Engineer · Quadwave Consulting Pvt. Ltd.

Sep 2024 – Present

Client: Lumyna Investments Limited (Generali Group)

- › Lead engineering team owning **full-stack platform**: backend API (16+ modules), React admin dashboard, React public website with **Highcharts** visualizations, and ongoing backend modernization
- › Built **factsheet engine** dynamically rendering fund performance charts, portfolio allocations, and compliance data for institutional investors
- › Designed **data ingestion pipelines** processing portfolio allocation feeds, NAV data, and fund performance metrics across multiple fund structures
- › Integrated **Salesforce webhooks** for investor registration workflows and **Mailchimp** for automated marketing campaigns
- › Manage **multi-environment deployment pipeline** (dev/UAT/preprod/prod) across 5 codebases with Azure, AWS cloud services and managed MongoDB
- › Leading backend modernization to **domain-driven module architecture** with token-based auth and async job queue processing

Point-of-sale platform for grocers and restaurants

- › Built full POS platform with a **6-engineer team**: ingredient management, stock tracking, low-stock alerts, payment processing, cash register, ledger, and **GST taxation** modules
- › Designed **POS hardware integrations** including thermal printer support, barcode scanning, and cash register connectivity
- › Automated deployment pipeline using **container images** and integrated **observability stack** for real-time monitoring and error tracking
- › Architected scalable **cloud infrastructure on AWS**, aligning technology decisions with business objectives and runway constraints

Co-Founder & CTO · Various Startups

- › Co-founded fintech startup, architecting a full-stack **credit services platform** with Node.js, React, Laravel, PostgreSQL and AWS with automated CI/CD pipelines on Docker and Terraform
- › Designed system architecture handling credit scoring workflows, and transaction processing with **99.9% uptime** on AWS HA infrastructure

Full Stack Developer · Kampong Design PTE, Singapore

- › Built responsive web interfaces (HTML5, CSS3, JavaScript, jQuery) and server-side functionality with PHP Laravel and MySQL; translated UI/UX mockups into production components

TECHNICAL SKILLS

Languages	TypeScript, JavaScript, Go, Python, PHP, Bash
Backend	Node.js, Laravel, Yii2, FastAPI, REST APIs, Microservices
Frontend	React, Highcharts, HTML5, CSS3, Webpack, Vite
Cloud & DevOps	AWS (ECS, EKS, Lambda, CDK), Azure, Docker, Kubernetes, Terraform, Pulumi, GitHub Actions, CI/CD
IaC Frameworks	AWS CDK, Pulumi, Terraform, CloudFormation, CDKTF
Databases	MongoDB, PostgreSQL, MySQL, Redis
Other	System Design, Data Pipelines, Distributed Systems, Observability (Grafana, ELK), Event-Driven Architecture