Mithilesh Pandit

Senior Software Engineer | Payments • Client delivery • Node.js • TypeScript
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Pune, India | Indian national | remote, or relocation with employer visa sponsorship

Professional Summary

Senior software engineer with 6+ years in Node.js and TypeScript. Leads payments for the new sales platform of a top-10 Indian life insurer, and runs product discovery and delivery for a UAE startup. **MSc Cybersecurity Management, University of Warwick**.

Experience

Wednesday Solutions Apr 2025 - Present
Senior Forward Deployed Engineer *Pune, India*

- Embedded with the engineering team of **Aditya Birla Sun Life Insurance** (top-10 Indian life insurer) as technical owner of payments for its new sales platform.
- Designed and built the partner payment flow and its micro-frontend, supporting 10+ payment modes including UPI mandates, bank standing instructions, cheque/DD and branch collection.
- Made bank-partner onboarding configuration-driven, with no per-partner code. New partners launch in about **2 weeks** versus months on the legacy system; 18 partners configured.
- Engineered idempotent payment handling with redirect locks and pending-order expiry, so no transaction is double-charged or lost when a gateway fails mid-flow. Moved payment storage to an append-only event ledger for regulatory audit.
- Ran discovery for a **regulated delivery startup in the UAE**, working directly with the founder to turn local licensing rules into a product plan and requirements.
- Lead that build with a small team and AI coding agents, writing the specs and reviewing every change; about 235 changes merged in its first two weeks across the mobile app (English and Arabic), web shop and back office.

Probity Software Jan 2024 - Apr 2025
Tech Lead / Cyber Security Specialist *Pune, India*

- Led a team of 5 across four concurrent government projects; gathered requirements with government officials and set the scope for each.
- Led the build of the **Government of Kenya's Property Tax Management System** (Express, Next.js, PostgreSQL) through to its production launch.
- Ran internal application-security audits (API penetration testing, OWASP Top 10, authentication hardening), tracked each finding to a fix, and wrote the secure-coding guide that became the team's onboarding doc.
- Replaced manual deployments with self-hosted Gitea CI/CD pipelines across 20+ projects; the instance now hosts 150+ repositories.

Probity Software Sep 2021 - Sep 2022
Full-Stack Developer (Frontend Project Lead) *Pune, India*

- Built the **Maharashtra Land Revenue Collection Portal** (React, Redux) from the first commit, working directly with government departments on requirements; it is now used by every district in the state.
- Led frontend development of a Municipal Corporation's citizen and staff portals (Next.js), introducing a shared component library that cut build times by ~10%.

N. Electronics Corporation Jan 2017 - Jun 2019
Web Developer / Technical Consultant *Pune, India*

- Delivered a full-stack website for Holiday Potter Travel & Tourism (React, Express, PostgreSQL, partner API integrations), which the owner credited with ~25% more online enquiries.
- Prepared technical bids for large computer-hardware tenders.

Projects

Recruitment platform: took over a platform built with an AI app builder, fixed an outage that had stopped all CV intake, and shipped WhatsApp job alerts for its 7,500+ candidates, working directly with the owner.

Dekhrekh (open source, github.com/Ditou007/dekhrekh): macOS panel and command-line tool for running several Claude Code sessions at once. Shows which session is waiting, its context left, usage limits and CI status, and hands a session off to a fresh one before its context runs out. Swift.

Argus (open source, github.com/Ditou007/argus): runtime observability for AI agents that captures kernel-level behaviour with eBPF and flags actions the agent did not declare. ClickHouse, PostgreSQL, Redis Streams, Kubernetes (Kind + Helm).

Momnts (pre-launch): mobile app for planning meetups that finds shared free time across Google and Apple calendars. React Native, Node.js, PostgreSQL, AWS.

Drone Forensics Toolkit: MSc dissertation (Distinction). Flask and React tool for prioritising evidential data in drone investigations.

Technical Skills

Languages: TypeScript, JavaScript, Python (working)
Backend: Node.js, Express, Hapi.js, XState, REST APIs, webhooks
Architecture: Event-driven design, state machines (XState), append-only ledgers, idempotent APIs, micro-frontends
Data: MySQL (production), PostgreSQL, Redis, Redis Streams, ClickHouse
Payments: UPI mandates, eNACH, standing instructions, payment gateway webhooks and reconciliation
Cloud: AWS (Lambda, S3, SNS/SQS, RDS), Docker, Kubernetes (Kind + Helm, not production), CI/CD
Security and quality: OWASP Top 10, Burp Suite, Casbin RBAC, JWT, Snyk, SonarQube, Jest
Observability: OpenTelemetry, SigNoz, eBPF (Cilium Tetragon)
Frontend: React, Next.js, Redux, React Query, Module Federation
Spoken languages: English (full professional), Hindi, Marathi

Education

University of Warwick — Coventry, UK
MSc Cybersecurity Management, Merit (Distinction in Dissertation) — *Oct 2022 - Sep 2023*

- Modules: Penetration Testing, Proactive Cyber Defence, Cybersecurity Consultancy, Risk, Audit and Compliance, Cryptosystems Management, Digital Forensic Investigation.

MIT World Peace University — Pune, India
BBA in Computer Applications, GPA 9.36 / 10 — *Apr 2019 - May 2022*

Achievements

Represented Warwick at NCSC's Innovators Challenge 2022 (Plexal), space-tech cybersecurity track.

University table tennis captain (MIT WPU) for 3 years; 13 years of competitive table tennis.