

SUNILKUMAR KALABANDI

Forward Deployed Engineer | Applied AI & Enterprise Integration

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Portfolio: viewmywork.dev

SUMMARY

Senior software engineer with 11+ years delivering banking, payments and trading systems, from requirements discovery and solution design through production rollout and support. Combines Java, Python, Node.js and React with governed AI integration. Independently built and deployed crypto/Web3 applications.

CORE SKILLS

Customer delivery: Requirements discovery, solution architecture, API integration, stakeholder coordination, rollout planning, hypercare

Engineering: Java 17, Python, Node.js, React, TypeScript, Spring Boot, FastAPI, Next.js, REST APIs, Azure AD SAML-based SSO

AI and Web3: OpenAI, Anthropic, Ollama, RAG, embeddings, tool calling, EVM/RPC, viem, wagmi

Platforms: OCI, Cloudflare Workers/D1, Kubernetes/OpenShift, Docker, Kafka, Redis, MongoDB, PostgreSQL, CI/CD, ELK, Grafana

PROFESSIONAL EXPERIENCE

Senior Software Engineer | Emirates NBD (via Bitech Middle East)

Dubai, UAE | Oct 2023 - Present

- Architected and scaled CPR Explorer for Corporate & Institutional Banking to process over 300 million records per month. Engineered MongoDB pipelines, optimized pivot queries and raw-record CIF 360 drill-downs; integrated an LLM through the bank's governed LEAP AI gateway.
- Led migration of 20+ banking services to OCI KSA, owning discovery, dependency mapping, environment readiness, rollout and hypercare across eight teams.
- Built reusable Vault migration, Kafka ACL and deployment frameworks adopted by parallel teams, reducing manual effort by approximately 90%.
- Implemented Azure AD SAML-based single sign-on (SSO) as part of enterprise identity integration.

Senior Java Developer | ADSS (via Halian)

Abu Dhabi, UAE | Nov 2022 - Sep 2023

- Translated business reporting requirements into Java/Spring Boot, Databricks and Apache Spark ETL solutions for a regulated trading firm.

Software Engineer | Emirates NBD / Arab Bank (via Bitech and 3i Infotech)

Dubai, UAE | Jul 2019 - Nov 2022

- Developed Beneficiary V2 and contributed to Transfers services for Emirates NBD's ENBD X platform, which served 1.6 million customers at year-end 2025.
- Owned E20 and Tablet Banking production reliability, delivering 40+ enhancements; ELK/Grafana monitoring cut MTTR from hours to minutes and improved uptime to 99.99%+.

Earlier experience: Fujitsu Consulting (2017 - 2019) | Capgemini (2014 - 2017)

Banking, payments, card integrations and enterprise operations.

SELECTED DEPLOYED PROJECTS

The Job Pursuit | Python, FastAPI, React, TypeScript, OpenAI, Ollama

Beta: www.thejobpursuit.com/beta | Source: github.com/sunilnjc/job-search-agent

- Built a FastAPI/React assistant that ingested and scored 10,500+ postings across five sources, combining local embeddings and hosted LLMs with tool-calling document generation grounded in approved facts, prompt-injection defenses and candidate-reviewed actions.

RiteStack | Subscription Management | Next.js, TypeScript, Supabase, Cloudflare

Live: ritestack.app

- Built and deployed a subscription decision app from workflow design to rollout, integrating Supabase authentication, per-user data isolation and Paddle payment webhooks on Cloudflare Workers.

BullsOf2028 | Crypto Intelligence | React, Next.js, TypeScript, Cloudflare D1

Live: bullsof2028.com

- Built and deployed a five-chain market intelligence platform integrating CoinGecko, DexScreener and GoPlus APIs with scheduled ingestion, deterministic ranking, D1 caching and data reconciliation.

EDUCATION

Bachelor of Engineering, Computer Science | CBIT, Hyderabad, India | Distinction / First Class