

FULL-STACK AI ENGINEER

Candidate Reference Number: 202608071157

PROFILE

Senior Full-Stack AI Engineer with **12+ years** building cloud-native web and AI systems. End-to-end capability across **Next.js/React/TypeScript, Node.js/Python, PostgreSQL, vector databases, RAG, LLM integration, AI agents, cloud infrastructure, security and DevOps**. Experienced delivering production-ready systems across product, UX and engineering teams.

CORE CAPABILITIES

AI / LLM: OpenAI APIs | RAG | embeddings | semantic search | structured outputs | prompt engineering | LangChain | human-in-the-loop | AI agents | orchestration | MCP servers

Data: Qdrant | Pinecone | Weaviate | Chroma | PostgreSQL | Prisma | relational design | indexing | partitioning | query tuning | ACID transactions

Application: Next.js | React | TypeScript | SSR | Node.js | Express | Python | Flask | FastAPI | Java Spring Boot integration | REST | OpenAPI | GraphQL

Cloud / Delivery: AWS Lambda | API Gateway | SQS | EventBridge | Azure | Google Cloud | Vercel | Docker | Kubernetes | GitHub Actions | CI/CD

Security / Ops: JWT | OAuth | RBAC | OWASP | encryption at rest | tenant isolation | audit trails | telemetry | RUM | Lighthouse CI | observability

SELECTED DELIVERY EVIDENCE

- Architected a **multi-tenant AWS serverless platform** with tenant-aware routing, isolation and scalability.
- Engineered **RAG pipelines** using OpenAI, LangChain, embeddings, Qdrant and Pinecone; prototyped with Weaviate and Chroma.
- Orchestrated **AI-agent workflows** with human approvals and audit trails.
- Modernized Next.js/React applications, producing a reported **30% Core Web Vitals uplift**.
- Optimized PostgreSQL partitioning/indexing, reducing reported median query latency by approximately **28%**.
- Implemented CI/CD, canary releases and automated rollback, shortening reported release cycles by approximately **40%**.

ENGAGEMENT FIT

Strong fit for work spanning the **AI-enabled application stack**: UX, APIs, structured data, semantic retrieval, grounded LLM generation, agentic workflows, cloud deployment, security and production operations.

EXPERIENCE EVIDENCE

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2023-PRESENT | SENIOR FULL-STACK AI ENGINEERING

Production AI/full-stack engineering across Next.js/React/TypeScript, Node/Python, PostgreSQL, RAG/vector retrieval, LLM integration, agent orchestration, cloud, security, observability and Agile delivery.

2019-2023 | FULL-STACK AI ENGINEERING

- Designed secure REST/OpenAPI contracts with RBAC, token rotation and OAuth/JWT flows for enterprise integrations.
- Built Node/TypeScript microservices with Prisma/PostgreSQL for tenant boundaries, ACID transactions and high-throughput workflows.
- Hardened systems to OWASP practices with encryption at rest, secure key management and tenant-aware access controls.
- Used telemetry, RUM and Lighthouse CI for observability while tracking LLM inference costs.
- Applied caching, circuit breakers and idempotent retries to strengthen third-party integrations and SLAs.
- Integrated TypeScript front ends with Java Spring Boot back ends using documented API contracts.
- Mentored product, UX and engineering teams on prompts, structured outputs, architecture and OKR-driven delivery; created runbooks and onboarding documentation.

2015-2019 | SENIOR FULL-STACK DEVELOPMENT

- Modernized enterprise portals with React, Next.js and Material UI, emphasizing UX, accessibility and reusable components.
- Moved backend patterns toward TypeScript microservices and tenant-aware services; integrated with Java Spring Boot APIs.
- Embedded Jest, React Testing Library and Cypress testing plus telemetry into delivery pipelines.
- Tuned PostgreSQL/MS SQL Server and strengthened alerting/postmortem practices for mission-critical flows.
- Delivered PWA/offline capabilities and led component-library/localization initiatives.
- Implemented secure JWT/OAuth authentication, RBAC and token rotation across multi-tenant modules.

EDUCATION

Bachelor of Science in Computer Science

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