FULL-STACK AI ENGINEER

Candidate Reference Number: 202608081245

PROFILE

Full-Stack Software Engineer with **5+ years of professional experience** designing scalable web, backend, cloud, and AI-enabled applications. Strong hands-on capability across **JavaScript/TypeScript, Node.js, Python/FastAPI, React/Next.js, PostgreSQL/MongoDB, REST/GraphQL APIs, AWS/Azure, Docker, CI/CD, and modern AI application patterns**. Experience includes RAG, vector databases, semantic search, intelligent document processing, AI assistants, and workflow automation.

CORE CAPABILITIES

AI / LLM: OpenAI | Gemini | LLMs | prompt engineering | AI agents | RAG | embeddings | vector databases | semantic search | intelligent document processing | AI chatbots

Application Stack: JavaScript | TypeScript | Node.js | Express.js | NestJS | Python | FastAPI | Flask | Django | React.js | Next.js | Angular | Vue.js | Java/Spring Boot | C#

Backend / Integration: REST | GraphQL | WebSockets | microservices | event-driven architecture | webhooks | OAuth2 | JWT | RBAC | background jobs | async processing

Data / Infrastructure: PostgreSQL | MongoDB | MySQL | Redis | Qdrant | Pinecone | indexing | caching | AWS | Azure | Docker | GitHub Actions

SELECTED DELIVERY EVIDENCE

- Built enterprise full-stack systems across employee management, payroll, order processing, and workflow automation using Node.js, Python, React, PostgreSQL, MongoDB, and Qdrant.
- Developed **AI-powered automation and assistants** using OpenAI/Gemini, RAG, vector databases, and prompt engineering for document generation, semantic search, process automation, and decision support.
- Built reusable backend services integrating third-party platforms through REST, GraphQL, webhooks, asynchronous messaging, and event-driven patterns.
- Designed secure API architectures using **JWT, OAuth2, RBAC, and role-based authorization**.
- Implemented high-volume asynchronous processing with Redis, RabbitMQ, Celery, queues, scheduled jobs, and event-driven architectures.
- Containerized and deployed production workloads to **AWS and Microsoft Azure** and implemented GitHub Actions CI/CD pipelines.

ENGAGEMENT FIT

Strong fit for Full-Stack AI engagements requiring a practitioner who can move across **frontend, backend, APIs, data, cloud infrastructure, and AI-enabled workflows**, especially RAG, semantic search, intelligent automation, and enterprise integrations.

EXPERIENCE & PROJECT EVIDENCE

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2023-PRESENT | SENIOR SOFTWARE ENGINEERING

- Designed enterprise-scale full-stack applications using Node.js/Express, Python/FastAPI/Flask, React, Vue, Angular, Next.js, MongoDB, PostgreSQL, Qdrant, and JavaScript/TypeScript.
- Architected REST APIs and microservices with secure authentication and reusable integration services for third-party platforms.
- Built AI assistants and automation workflows integrating OpenAI and Gemini for contextual question answering, document understanding, knowledge retrieval, content generation, and decision support.
- Implemented scalable asynchronous workloads using Redis, RabbitMQ, Celery, scheduled jobs, and queue-based patterns.
- Delivered cloud workloads on AWS and Azure with Docker, GitHub Actions, automated testing, deployment, and release pipelines; mentored junior developers and participated in architecture reviews.

2021-2023 | SOFTWARE ENGINEERING / AI APPLICATIONS

- Developed backend APIs for an **AI-powered resume-screening platform** using Node.js, Python/FastAPI, PostgreSQL, Pinecone, and REST services.
- Integrated OpenAI LLMs, RAG, vector databases, and Python AI services for resume parsing, candidate ranking, semantic matching, recommendations, and contextual retrieval.
- Built secure authentication, validation, and optimized relational schemas; deployed cloud-ready services to AWS and Azure.
- Collaborated with frontend teams integrating React interfaces with backend APIs and participated in Agile delivery, code reviews, and production deployments.

SELECTED PROJECTS

- **AI Recruitment Platform:** React, Node.js, FastAPI, MongoDB/PostgreSQL, Docker, OpenAI/Gemini, RAG, embeddings, semantic search, candidate matching, recruiter assistance, and cloud deployment.
- **AI Meeting Notes Assistant:** React/Node/FastAPI application using OpenAI and RAG for summaries, action items, contextual search, and Q&A; over transcripts and documents.
- **Intelligent Search Engine:** JavaScript, C++, Python NLP, Trie/Hash structures, semantic search, and AI-assisted query understanding.
- **Disaster Recovery Automation:** RDS/EBS snapshots, S3 lifecycle policies, backup verification, restoration testing, CloudWatch alerts, and recovery procedures.

EDUCATION / CREDENTIALS

Master's in Computer Science - in progress (expected 2026)
Bachelor's in Computer Science - Cum Laude
Credentials: AWS Certified Solutions Architect | AWS DevOps Engineer training | Linux systems administration training