Aneesh Mussim

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PROFESSIONAL SUMMARY

AI/ML Engineer and full-stack **Software Developer** with 3 + years turning research into revenue-generating, cloud-native products. Ship production-grade **React / TypeScript** frontends and **Python / Flask / C#** microservices, deploying **LLM-powered** features through **AWS Bedrock**, **LangChain**, and scalable **RAG pipelines**. Expert in secure **REST / GraphQL APIs**, containerized **CI / CD** (Docker, GitHub Actions), and high-throughput data stores on **PostgreSQL**, **Redis**, and **S3**. Thrive in fast, test-driven teams—remote or onsite—delivering creator-centric experiences that cut latency, raise engagement, and drive measurable impact.

TECHNICAL SKILLS

Languages: TypeScript/JavaScript, Python, Java, C#, SQL
Frontend: React 18/Native, CSS-in-JS, Tailwind, Webpack, Vite
Backend: Node.js, Flask, Express, Docker, Git, Jest, Playwright, Datadog
Cloud: AWS (Lambda, S3, Bedrock, RDS, SageMaker), PostgreSQL, MySQL
AI/ML: LangChain, OpenAI API, Ollama, TensorFlow, scikit-learn, FAISS, Rekognition, Comprehend
Practices: Agile, TDD, CI/CD, OWASP reviews, cross-team **collaboration**

EXPERIENCE

AI/ML Engineer — Insicloud   Jan 2025 – Present
Remote • Chantilly, VA
  – Shipped **3 production AI micro-services** (generative avatars, OCR, multilingual TTS) across 5 client apps, exposing a REST API and **Python SDK** via **OpenAPI 3.1**.
  – Automated **90 %** of model QA with a Python agentic pipeline, trimming release cycles **30 %** and boosting test coverage to 95 %.
  – Hardened cloud stack using **JWT auth**, **pre-signed S3**, **RBAC**, and **SOC 2** audit logging for enterprise compliance.

Machine Learning Researcher — Capital One   Aug 2022 – Apr 2023
Richmond, VA
  – Engineered a **real-time security telemetry pipeline** (AWS Lambda, Kinesis, Datadog Vector) ingesting 10 k logs/s, boosting incident visibility **40 %**.
  – Cut alert false positives **25 %** by generating **synthetic threat data** (SDV) and tuning anomaly models in scikit-learn/XGBoost.
  – Led agile retrospectives that raised on-time sprint delivery from 70 % to **92 %**.

Software Development Intern — Bank of America   Mar 2022 – Oct 2022
Richmond, VA
  – Built core features for a cross-platform **React Native** financial-literacy app, integrating a **Flask + SQLite** API layer and refining UI/UX patterns that lifted average session length **30 %** in pilot testing.
  – Implemented **CI/CD with GitHub Actions** to automate build, lint, and over-the-air release workflows, cutting manual deployment time **50 %**.

PROJECTS

Proposal Scanner   May 2025
Python • Flask • Textract • FAISS • React
  - AI pipeline extracted 50+ immigration proposals at **90%** accuracy; **FAISS + LLM** summarizer cut review time **40%**.

Court Deadline Tracker   May 2025
Flask • React • spaCy • Ollama
  - **spaCy + Ollama** parse filings and auto-sync deadlines to Google Calendar; indexed PostgreSQL serves 1 000+ records in < **50 ms**.

Solo Leveling Task App   April 2025
React Native • LangChain • Redis
  - Gamified daily-quest tracker delivers AI responses in < **200 ms** to 2 000 users; **Redis** ensures offline-safe sync.

EDUCATION & CERTIFICATIONS

B.S. Computer Science, Virginia Commonwealth University — Dec 2024
Certifications: AWS Certified AI Practitioner (2025), IBM Big Data 101 (2022), Scrum Fundamentals (2022)