

Jake Meetre

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EXPERIENCE

Freelance Full-Stack Developer | Confidential Client (NDA) **Remote May 2025 - Present**

- Spearheading the end-to-end build of two-sided web/mobile marketplace that connects e-commerce sellers with Amazon fulfillment specialists.
- Building serverless microservices backend on AWS.
- Designing cross-platform React Native & Next.js front-ends featuring real-time WebSocket chat and role-based access control.

Freelance Full-Stack Developer | Confidential Client (NDA) **Remote May 2025 - Present**

- Leading end-to-end development of proprietary web application that uses AI and computer vision to convert images PDFs into structured; secure company format and enables secure inter-company communication from personal devices.
- Designing and implementing a scalable backend (Python/Flask, PostgreSQL) with RESTful APIs that integrate OCR pipelines and GPT-powered data-extraction models.
- Building a responsive React dashboard enabling secure document uploads, real-time processing status, and export of normalized data in CSV/JSON formats.

Capstone Project | Patrol Vehicle Alert System **August 2024 - May 2025**

- Partnered with the Polk County Sheriff's Office to engineer a multi-subsystem edge-AI safety suite (real-time gunshot, object & license-plate detection) running entirely on in-vehicle hardware.
- Collaborated with a seven-person Agile team, contributing system architecture diagrams, sprint planning, and technical presentations to sponsors and deputies.
- Designed the Digital Signal Processing pipeline for gunshot detection: trained and tuned a CNN/YOLOv8 model (PyTorch, CUDA) that achieved 95 % precision / 92 % recall in live-fire field tests, triggering officer alerts in < 2 seconds.

J.P. Morgan Software Engineering Virtual Experience on Forage **June 2024 - July 2024**

- Set up a local dev environment by downloading the necessary files, tools, and dependencies.
- Fixed broken files in the repository to make the web application output correctly.
- Used JPMorgan Chase's open-source library called Perspective to generate a live graph that displays a data feed in a clear and visually appealing way for traders to monitor.

TECHNICAL SKILLS

Programming Languages: Java, Python, C, C#, C++, HTML, CSS, Javascript, Assembly

Operating Systems: Windows 8/10, Unix & Linux-based

Data Management: Microsoft Excel, Word, PowerPoint, MySQL

EDUCATION

Florida Atlantic University (FAU) | Boca Raton, FL
M.S. Candidate in Data Science, Expected 2026

Florida Polytechnic University | Lakeland, FL
B.S. in Computer Science May 2025

Relevant Courses: Database 1, Data Structures, Introduction to Computation and Programming, Algorithms & Analysis, Introduction to Unix, Secure Software Engineering, Machine Learning, Computer Architecture and Organization