

Aaliyah Johnson

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AI Engineer - Full-Stack Software Engineer

PROFESSIONAL SUMMARY

I excel in leveraging Large Language Models (LLMs) to enhance AI-driven user experiences, with hands-on experience deploying multi-agent AI systems using Google's agent development kit and integrating models like OpenAI's GPT and Gemini. I build scalable, responsive solutions grounded in real-world needs. I possess a problem-solving mindset dedicated to innovation and human-centered design. As a neurodivergent engineer with a background in arts and accessibility, I bring a unique perspective to my work, driven by my mission to make intelligent systems more inclusive, innovative, and empowering for everyone.

SKILLS

LLM Technologies: GPT-4, Gemini, OpenAI API, Vertex AI

Programming & Problem Solving: Python, JavaScript, TypeScript, Node.js, SQL, and YAML

Frameworks & Tools: React, React Native, Next.js, Firebase, Git, Poetry, FastMCP, FastAPI

DevOps Practices & Cloud: GitHub Actions, Vercel, Render, Google Cloud Platform(GCP), AWS, Azure, Docker,

General: A/B Testing, Product Design, Data Pipelines, Data-Driven Development, Security Best Practices, Stakeholders Collaborative Communication, Leadership, Analytical, Machine Learning, Scalability, Computer Science, Customer Engagement

PROJECTS

GetHiredAI - Python, Google Agent Development Kit (ADK), GitHub, Firebase, MCP, Vertex AI

- Multi-Agent powered job search platform designed to automate and streamline every stage of the job hunt
- **Designed** and **deployed** a custom **remote Model Context Protocol (MCP)** server to enable **dynamic tool orchestration** and **multi-step workflows across agents**.
- **Designed** the **agent framework** using **Google ADK** and **A2A protocol**, implementing modular **sub-agent logic**, intelligent **prompt routing** to execute search, analysis, and application preparation with minimal user input, **enhancing efficiency and personalization in job matching**.
- Integrated Firebase Authentication, Firestore, and Storage for **secure data management**, enhancing system integration.

Promptly - React Native, Node.js, CSS, OpenAI, Firebase *Published on the Apple App Store*

- Developed mobile-first, full-stack platform for **real-time prompt generation** with dynamic controls for tone, role, and structure, **enhancing user input quality to LLMs and productivity**.
- Integrated Firebase for authentication, **NoSQL data handling**, and **state management**.
- Implemented CI/CD pipeline with GitHub Actions and EAS/Revopush for OTA (over-the-air) updates, ensuring continuous improvement and uptime reliability.
- Leveraged the OpenAI API for backend prompt logic, including cross-format performance and output quality.
- Prioritized performance optimization, streamlined deployment, and clear UX to improve market reach and usability **resulting in 100 plus downloads in 2 weeks**.

EXPERIENCE

AI Agent Builder Intern | NeuralSeek | Remote

August 2025 – September 2025

- 6-week immersive internship focused on **building scalable AI agents** using NeuralSeek's agent platform.
- Complete **Level 1–3 NeuralSeek certifications** in **Agent Foundations**, **Business Applications**, and **Multi-Tier AI Architecture**.
- **Design** and **deploy** an original AI agent contributing to **real customer-facing go-to-market initiatives**.
- Conduct **competitive analysis** on the AI agent landscape to **inform strategy and product positioning**.
- Present a **capstone** project demonstrating **creativity**, **technical proficiency**, and **practical business application**.
- **Collaborate with peers** and NeuralSeek's **organizational development** and **community teams** to support innovation and ecosystem expansion.

Prompt Engineer | Outlier AI | Remote

July 2024 - Present

- Designed prompts across a variety of domains, improving output quality and task success rates by **40%**, while maintaining a **95% acceptance rate**.
- Conducted in-depth research and fact-checking on over **300 content items**, enhancing usability and reliability, reducing revision cycles by **33%**.
- Composed ideal responses using structured rubrics that met the criteria for completeness and factuality, leading to a **22% reduction in LLM hallucination rates**.
- Reviewed peer-submitted prompts and provided constructive feedback, reducing inconsistencies and improving training quality, boosting factual accuracy and alignment with user intent by **35%**.

Software Engineer Apprentice | Coding Temple | Remote

November 2024 - May 2025

- Designed and implemented REST API endpoints with **Flask and Node.js**, integrating both **SQL and NoSQL databases**. Gained hands-on experience in unit testing and integration testing using Jest, validating both UI components and backend routing logic.
- Applied **Object-Oriented Programming (OOP)** principles and state management with **Redux** to build a **robust, modular architecture**.
- Participated in technical workshops and whiteboard challenges on **project management, system integration, decision-making, communication, and scalable software systems**.
- Practiced **DevOps principles** with **CI/CD pipelines** via GitHub Actions, Firebase, and Vercel for seamless deployment and **version control**.
- Collaborated with peers and instructors to address **real-world issues**, enhancing **problem-solving**, software development, and execution strategies.

EDUCATION

Coding Temple – [Software Engineering Certificate](#) (2024-2025) Columbia College Chicago – B.A. Interdisciplinary (2020-2024)