Ahmad Graham

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SUMMARY

Software Engineer with **production experience delivering full-stack systems** (Next.js, Node.js, PostgreSQL, AWS) for startups, enterprises, and public-sector clients. Skilled at **shipping features end-to-end, scaling distributed systems, and automating deployments** with CI/CD and TDD. Recognized for technical ownership, architectural design, and delivering quality products. Seeking software engineering roles across full-stack, backend, and systems development where I can leverage expertise in scalable platforms, distributed systems, and user-centric applications.

EXPERIENCE

Freelance Developer, Self-Employed - Remote   **Mar 2024 – Present**

- Delivered production platforms for 3 startups, including a full-stack vendor portal with RBAC, contract workflows, and secure file sharing.
- Rebuilt CS Labs website in Next.js with modern UI/UX and a content management system, improving site performance scores by 30%+ and boosting engagement.
- Designed and deployed a management dashboard for Jackson Development Co., automating contracts and employee processes, cutting admin workload by ~40%.
- Implemented GitHub Actions CI/CD pipelines, reducing release cycle times by ~35% and improving deployment reliability.

Software Developer (Contract), Necx - Remote   **Feb 2024 – Apr 2025**

- Engineered a **real-time chat & document tracking platform** used by **50+ law enforcement agencies** nationwide, leveraging Node.js, PostgreSQL, and modular APIs.
- Led **end-to-end delivery** of core features using TDD, ensuring scalability and maintainability under strict deadlines.
- Defined onboarding and API integration patterns that reduced new agency integration time by **~30%**.

Software Engineering Intern, Amazon - Seattle, WA (Onsite)   **May 2023 – Aug 2023**

- Developed the **"Video Card" feature** shipped to **~5M monthly users**, integrating React Native, Java, and Swift within a large-scale distributed app.
- Collaborated with cross-functional backend and mobile teams to deliver production-level code in a massive codebase.
- Participated in design reviews and Agile ceremonies, strengthening technical judgment and delivering features faster at scale.

PROJECTS

Divyo (Receipt Parsing App)   **Feb 2025 – Oct 2025 (part-time)**

- Building a platform to **scan and parse receipts** for seamless group bill-splitting.
- Uses **OCR (ML Kit), Firebase cloud functions**, and collaborative UX workflows to simplify expense management.

Online Multiplayer Game Platform (https://family-gr-client.vercel.app)   **May 2025 – Aug 2025 (side project)**

- Created a **plugin-based game engine** supporting real-time Spades and Dominoes, enabling future extensibility for additional card games.
- Built scalable full-stack architecture with modular game logic, **WebSockets**, and event-driven state management.

EDUCATION

Bachelor of Science, Computer Science - George Mason University   **Aug 2020 – May 2024**
Relevant Coursework: Software Testing, Computer Vision, Data Mining, Secure Programming

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Java, SQL, C, C++
Frameworks & Libraries: React, Redux, Next.js, Express.js, Node.js, TailwindCSS
Cloud & Infrastructure: AWS (Lambda, S3, ECS, EC2), Docker, Redis, WebSockets, Firebase
Databases & APIs: PostgreSQL, MongoDB, REST APIs, JSON, XML, YAML
DevOps & Practices: GitHub Actions (CI/CD), Agile, Scrum, TDD, OOP, Modular Design, Clean Code

CERTIFICATIONS

- **AWS Certified Cloud Practitioner** **2025**
- **AWS Certified Developer - Associate** **(in progress, 2025)**