

JOSHUA DAMON

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SUMMARY

Founder-engineer and technical leader focused on AI infrastructure, distributed systems, platform engineering, and secure backend architecture. Experienced building and scaling production-grade mobile and backend systems used by thousands of users across consumer and healthcare platforms. Strong background in React Native, TypeScript, Node.js, PostgreSQL, cloud infrastructure, and scalable system design, focused on observability, distributed systems, AI platform architecture, and secure infrastructure engineering.

WORK EXPERIENCE

Hippo Education | Los Angeles, CA (Remote)

Nov 2022 - Present

Mobile Platform Engineering Lead

- Lead engineering initiatives for large-scale production platforms used by medical professionals nationwide.
- Drive technical architecture, platform stability, release strategy, and long-term maintainability across a large production mobile platform integrated with complex backend services and content delivery systems.
- Collaborate closely with backend systems, authentication services, analytics tooling, and cloud infrastructure to support scalable content distribution, secure user access, and high-availability learning experiences.
- Contribute to platform engineering decisions involving CI/CD pipelines, mobile observability, production debugging, application performance, and release automation.
- Contributed to backend systems, platform reliability, observability, CI/CD workflows, and secure application architecture across production environments.

ListedB | New York City, NY (Remote)

Nov 2021- Jan 2024

Full Stack Engineer

- Designed and developed scalable frontend, backend, and middleware systems supporting a production social platform.
- Built and maintained backend APIs, authentication flows, analytics integrations, and real-time messaging systems using Node.js, MongoDB, and cloud-integrated services.
- Contributed to architecture decisions involving scalability, platform performance, distributed communication, and production reliability.
- Worked across frontend architecture, backend services, deployments, and operational debugging in fast-moving startup environments.

LikeNow | Pittsburgh, PA (Remote)

Aug 2021- Apr 2023

Full Stack Engineer

- Built and launched a production-ready cross-platform mobile application from the ground up using React Native and Expo.
- Architected and integrated backend systems supporting authentication, geolocation, messaging, notifications, reviews, and real-time communication features.
- Worked extensively with cloud-connected services and backend integrations to support scalable user experiences and platform reliability.

WORK EXPERIENCE

- Managed production deployments, release cycles, debugging, and operational maintenance while collaborating closely with stakeholders and product leadership.

U.S. Army | Joint Base Lewis McChord, WA

Jan 2017- Jan 2021

Combat Medic

- Delivered emergency medical care and operational support in high-pressure and time-sensitive environments.
- Coordinated patient treatment, triage, and medical response workflows across both field and clinical settings.

EDUCATION

Master of Science in Cybersecurity & Information Assurance (MSCIA)

Apr 2022 - Aug 2023

Western Governors University

Bachelor of Science in Cybersecurity & Information Assurance (BSCIA)

Mar 2021 - Oct 2022

Western Governors University

Professional Certifications

CompTIA (CySA+, PenTest+, Network+, Project+, A+, Security+) · ISC² (SSCP, CCSP – Associate)

PROJECTS

NestleAI | Founder & Lead Engineer | [Website](#)

- Built a production AI platform using React Native and Expo for iOS and Android, focused on intelligent experiences and real-time integrations.
- Architected backend systems with Node.js and PostgreSQL, integrating AI workflows, analytics, notifications, auth, and cloud services.
- Designed scalable backend architecture supporting AI-powered workflows, authentication systems, analytics pipelines, and cloud-integrated platform services.

KEY SKILLS

Infrastructure & Platform Engineering:

Docker, Kubernetes, AWS, CI/CD, Cloud Infrastructure, Distributed Systems, Platform Engineering, Containerized Services

Backend & Data Systems:

PostgreSQL, MongoDB, Redis, REST APIs, Backend Services, Authentication Systems, Event-Driven Architecture

Observability & Reliability:

Logging, Monitoring, Distributed Tracing, OpenTelemetry, Performance Optimization, Production Debugging, System Reliability

AI & Security

AI Platform Architecture, Secure Application Design, RBAC, Authentication & Authorization, AI-Assisted Engineering Workflows, Secure AI Systems

Languages & Core Technologies:

TypeScript, JavaScript, Go, Python, SQL, Node.js

Frontend & Product Engineering

React Native, React, Expo, Mobile Architecture (iOS & Android), Scalable Application Architecture, Cross-Platform Application Architecture

Engineering Practices

System Design, Scalable Architecture, Technical Leadership, Infrastructure Planning, Cross-Functional Collaboration