Evan Perry

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About Me

Former commercial pilot with over a year of professional experience as a **Full Stack Developer** and **AWS Certified Developer Associate**. I design, build, deploy, and operate production web and mobile applications end-to-end, owning frontend architecture, backend APIs, cloud infrastructure, Infrastructure as Code, CI/CD, and unit and end-to-end testing.

Work Experience

Full Stack Developer · PROJXON | Jan 2025 – Present

- Designed, built, and shipped OrkaChat as the sole contributor, delivering a production-grade, serverless real-time messaging platform across Web, Android, and iOS with end-to-end encryption, cross-device key recovery, channels, and AI features.
- Led a team of 6+ developers across multiple client web builds, coordinating Agile sprints and establishing consistent coding conventions and standardized commit and pull request workflows through structured code reviews and mentorship.
- Deployed and operated containerized production applications on AWS ECS (EC2-backed) behind Application Load Balancers, standardizing Docker-based deployments to support cross-team usage.
- Implemented unit and end-to-end testing with Jest and Playwright to validate serverless APIs and critical user flows prior to production deployments.
- Diagnosed and resolved production issues using observability and audit tools such as CloudWatch, CloudTrail, X-Ray, and browser DevTools, proactively identifying root causes before escalation.

Certified Flight Instructor - Instrument & Commercial Pilot
Rocky Mountain Flight School | Oct 2022 – Mar 2023 · Contract Flight Instructor | Mar 2023 – Present

- Instructed and operated high-performance, instrument-rated, and complex aircraft, including adverse weather and aerobatic instruction.

Projects

- **OrkaChat** (**chat.Orkaos.com**) React Native/Node.js real-time chat for web, Android, iOS, using WebSockets and RESTful APIs, API Gateway, DynamoDB, asynchronous Lambda functions, and AWS Cognito. Terraform-managed staging backend and Amplify Frontend for CI/CD. Tested with Jest and Playwright to support reliability. Live on Web, Google Play Store, and iOS App Store release pending review.
- **ZephyrAeroLeather.com** E-commerce site using Next.js, TypeScript, deployed on AWS EC2 with Docker/Nginx deployment with JWT user authentication, reviews/order history, and Stripe payments.
- **Projxon.com** Corporate website built with Next.js and TypeScript, deployed on AWS with Docker and Nginx, leveraging SSR and ISR to improve SEO and Google Analytics accuracy.

Education and Certifications

- AWS Certified Developer - Associate
- University of Mary Washington · Fredericksburg, VA · 2006-2010 · Bachelors of Science, Economics

Skills:

- Languages & Frameworks: TypeScript, JavaScript, Python, React, React Native, Node.js, Next.js, Express
- Infra/DevOps: AWS (Lambda, API Gateway, DynamoDB, Cognito, ECS/EC2, Amplify, CodePipeline), Terraform, Docker, Nginx, GitHub Actions, CI/CD
- Styling & UI: Tailwind, Bootstrap, HTML/CSS, MUI
- Databases & APIs: PostgreSQL, DynamoDB, GraphQL, RESTful APIs, WebSockets, MongoDB, NoSQL, SQL
- Testing & Observability: Jest, Playwright, CloudWatch (logs, metrics), CloudTrail, X-Ray
- Technical Focus: Full Lifecycle Development, Serverless Architecture, Microservices, Cloud-Native systems