Darya Kutovaya

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Austin, TX | Open to Remote

PROFESSIONAL SUMMARY

Full stack software engineer with 4+ years shipping production systems that bridge hardware and software. Built a complete IoT device analytics platform solo: 60K lines of TypeScript, 17-table PostgreSQL schema, and real-time browser-to-device orchestration via ThingsBoard RPCs and WebSocket telemetry. Developed Kubernetes diagnostic tooling in Go and Next.js at AWS, and led cross-functional teams delivering revenue-driving products on Google Cloud and HubSpot integrations. Core stack: React 19, TypeScript, Node.js, PostgreSQL, AWS, Supabase, Go. U.S. Army veteran.

TECHNICAL SKILLS

Languages & Frameworks: TypeScript, JavaScript (ES6+), Go, Python, Java, React 18, Next.js, Node.js, Express
Infrastructure & Cloud: AWS (EC2, RDS, IoT Core, EKS), Supabase, Google Cloud, Docker, Kubernetes, Cilium
Data & APIs: PostgreSQL, MongoDB, MySQL, REST APIs, WebSockets, GraphQL, Zustand, HubSpot CRM
Tooling & DevOps: Git, CI/CD, Jest, Mocha, Postman, Figma, Vite, Webpack, Tailwind CSS, shadcn/ui

PROFESSIONAL EXPERIENCE

Software Engineer | Amazon Web Services – EKS-Anywhere | *2025*

- Designed and built k8s-diagnostic, an internal Kubernetes networking validation tool that automated 35+ tests spanning pod connectivity, DNS resolution, service discovery, and Cilium L3/L4/L7 policy enforcement across EKS-Anywhere and EKS-Hybrid clusters.
- Designed a dual-interface system—a Go-based CLI for power users and a Next.js web dashboard for guided diagnostics—with real-time monitoring, structured JSON output, and log streaming that reduced cluster troubleshooting time from hours to minutes.
- Delivered a Dockerized deployment architecture enabling cross-cluster validation, adopted by engineering teams for repeatable pre-production and incident-response diagnostics.

Full Stack Engineer & Founder | Ailith.co | *2024 – Present*

- Built a full-stack IoT hardware device analytics platform end-to-end; React 19 frontend, 16 Supabase Edge Functions, 17-table PostgreSQL schema, and ThingsBoard device integration as a solo developer across ~60K lines of TypeScript.
- Engineered real-time coordination of physical IoT shooting targets from the browser; bidirectional RPC commands, WebSocket telemetry with automatic polling fallback, live goal detection, and per-device auto-stop on completion.
- Designed a dual-backend data architecture bridging Supabase and ThingsBoard with multi-layer caching (in-memory, database, React Query), rate-limited request deduplication, and atomic session persistence across 3 tables with independent failure handling.
- Built a react-konva spatial room designer mapping physical target placement to a canvas with snap-to-wall geometry, undo/redo, and auto-save; linking digital layouts to real-world device positions.

Full Stack Engineer | Dozer.ai | *2024 – 2025*

- Designed and developed the marketing site from scratch using Next.js and Tailwind, including a custom 360-camera video player consuming REST API video assets for an AI collision avoidance startup.
- Built a client intake pipeline integrating a lead-tracking form with an existing AWS database and configured HubSpot CRM workflows, streamlining onboarding from first touch through conversion.
- Implemented responsive navigation patterns and cross-device layouts, ensuring consistent UX across desktop, tablet, and mobile breakpoints.

Project Manager & UI/UX Designer | SmartERC | *2023 – 2024*

- Led a team of 4 engineers to design and launch a customer onboarding portal integrating HubSpot CRM, TaxStatus, and FileInvite APIs, deployed on Google Cloud—contributing to a 40% revenue increase.
- Owned the UX and data-flow architecture, delivering an intuitive experience that eliminated the need for user tutorials and completing the project under budget.

Full Stack Developer | Climate Change & Property Analysis Platform| *2021 – 2023*

- Led a UX/UI overhaul with React for a Zillow sentiment analysis tool, integrating Zillow and Google Places APIs for address autofill and deploying on AWS EC2 with Express and PostgreSQL on RDS.
- Created Figma wireframes, designed the component architecture, and drove the project from prototype to production deployment.

ADDITIONAL EXPERIENCE

Web Developer & E-Commerce Consultant | Freelance | *2018 – 2020*

- Delivered website redesigns and e-commerce strategies for small businesses across aviation and healthcare verticals, driving measurable outcomes including a 30% revenue increase for an aircraft reseller and a 45% lift in web visibility for a multi-location medical practice.

MILITARY SERVICE & CIVIC LEADERSHIP

Commissioner | San Francisco Veterans Affairs Commission | *2024 – Present*

- Appointed by the SF Board of Supervisors to develop policy and advocate for veteran healthcare access, education benefits, and career development. Lead public outreach campaigns and cross-agency collaboration.

Power Generator Specialist (91D) | California Army National Guard | *2020 – 2023*

- Recognized as "Soldier of the Cycle" during both Basic Training and AIT. Maintained and repaired mission-critical generator and electrical systems under high-pressure operational conditions. Obtained U.S. citizenship through honorable service.

EDUCATION

San Francisco State University — B.S. Computer Science (in progress), Minors in Mathematics & Chemistry

Galvanize HR — Immersive Full Stack JavaScript Web Development