

Jackson Boyett

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Full-stack software engineer and former Army officer with a proven track record of delivering mission-critical applications and leading teams in high-pressure environments

Education

Auburn University – BS in Mechanical Engineering

May 2020

- Magna Cum Laude, 3.8/4.0 GPA

Experience

Software Engineer, Apptoo – Birmingham, AL

August 2024 – Present

- Architected and developed three production-grade applications from conception to launch, while providing core contributions to four additional cross-platform projects
- Lead the architecture and delivery of a production application within a larger distributed system, coordinating with cross-functional teams and demoing progress to executive stakeholders
- Own database design and schema migrations via MikroORM, building and maintaining REST API endpoints and service layers across multiple PostgreSQL-backed applications

Software Engineering Intern, Moth+Flame – Remote

February 2024 – May 2024

- Reduced VR device report upload times by 10x and achieved a 87% successful submission rate by developing an Electron desktop application that gathered field data from VR devices
- Developed and maintained a web application managing VR training modules as part of the cloud engineering team, leveraging React, TypeScript, GraphQL, and Node.js

Air Defense Artillery Officer, United States Army – Baumholder, Germany

July 2020 – January 2024

- Rapidly deployed a Patriot air defense crew within 72 hours to protect the #1 critical asset in the European Theater
- Managed a multi-disciplinary team of 36 personnel, maintaining 100% operational readiness of critical air defense systems in high-pressure, deployed environments.
- Supervised the accountability, maintenance, and operational readiness of over \$600 million in Patriot equipment

Projects

WaveLink Secure - Angular, NestJS, PostgreSQL, Auth0, Mapbox, ApexCharts, MikroORM

Demo on request

- Built an internal B2B portal for distributors to monitor and manage fleets of dock-mounted sensor hubs, tracking real-time environmental data, firmware versions, customer ownership, and hub health
- Built a NestJS REST API with Auth0 JWT authentication and a custom ABAC permission system supporting object-level access scoped to individual hubs, distributors, and tags across four role tiers

CDAI - Expo/React Native, tRPC, TanStack Query, NextJS, Firebase

Demo on request

- Built a React Native mobile job board for CDL truck drivers to search listings, build driver profiles, and submit DOT-compliant applications from their phone
- Developed within a TypeScript monorepo alongside an existing Next.js platform, leveraging tRPC and TanStack Query
- Designed a config-driven query system using React Context to unify search, filtering, sorting, and geolocation

Moth+Flame Data Transfer Tool - Electron, React, Typescript, GraphQL, ADB, GitHub Actions

bit.ly/4aPw9DN

- Electron app enabling field trainers to manage data from VR devices via USB and sync to cloud via GraphQL/Apollo
- Eliminated in-headset updates by enabling sideloading of apps and training experiences directly from a laptop via ADB
- Increased training report upload rate from 32% to 87% and reduced upload times by 10x across thousands of reports
- Wrote GitHub Actions workflow to build and deploy cross-platform binaries for Windows and Mac, with Electron Updater for in-app update prompts

Skills

Languages: JavaScript, TypeScript, CSS, HTML, SQL

Technologies: React, Next.js, Angular, React Native, NestJS, Electron, Node.js, Tailwind, PostgreSQL, Git