

Jordan Williams

Software Engineer

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Career Experience

Codesmith - Software Engineering Fellow **2022**

- Led the development of open-source applications and guided engineering teams to ensure timely completion of production goals and meeting project deadlines. Collaborated in development of large-scale web applications, utilizing React, Node.js, and Express to deliver high-quality products.
- Conducted training sessions on databases, AJAX, JS fundamentals, async/promises, and UX/UI.

RadiQL (radical) - Software Engineer – Open Source / Visual GraphQL migration aid **2022**

- Established user database using DynamoDB, ensuring fast and consistent access to user data.
- Leveraged React.js and Tailwind CSS to craft an intuitive and user-friendly front-end, elevating user interaction.
- Accelerated system performance and reduced latency by implementing NoSQL (MongoDB) database.

Technical Projects

Trail Tasks - Productivity App (closed-testing) - trailtasks.app **2025**

- Implemented WatermelonDb/SQLite and Postgres for offline capabilities and fast SQL queries.
- Wrote unit and integration tests using Jest, covering database logic, TCP server communication, and application state transitions.
- Developed a custom Go TCP server for real-time group Pomodoro sessions using a custom protocol for tracking focused time and virtual progress.
- Used Bare React Native for complete control over individual IOS and Android platform builds.

Freelance Software Developer EastWest Solutions – eastwestsolutions.us **2025**

- Built and deployed a modern consulting services platform using Next.js, TypeScript, and Tailwind CSS, enabling clients to browse offerings, request quotes, and purchase packages online.
- Integrated Stripe payments with custom webhooks to handle secure transactions and deliver post-checkout workflows for digital service bundles.
- Developed a contact and notification system using Nodemailer, allowing real-time inquiry forwarding and confirmation emails to streamline communication with potential clients.

Route Tracker – Python Logistics Simulation **2025**

- Modeled logistics using object-oriented design, incorporating classes for trucks, packages, and graph-based distance calculations.
- Implemented a greedy nearest-neighbor algorithm for dynamic routing and added support for deadline-aware delivery logic.
- Simulated real-time status checks by integrating a time-aware engine that tracks state transitions for all packages at any moment during the day

Sleep Bubble - App + embedded systems **2024**

- Utilised Go programming language for custom HTTP server for concurrency in go routines.
- Embedded systems network integration with ESP-01 microcontroller communicating with Go server.

Education

- **B.S. Computer Science** Western Governors University 2025
- **Software Engineering** Codesmith
- **A.A.S. Visual Communication** ITT Technical Institute

Publications

- Testing Libraries and Frameworks| SingleSprout Speaker Series
- Codesmith Lecture Series | JS Fundamentals, Async/Promises, UX/UI, Databases (SQL, NoSQL)
- radiQL | the one-stop solution for setting up GraphQL on a Postgres database, Medium

Additional Experience | Police Officer II - 2011 – 2021