

Ethan Bovard

LinkedIn: [in/ethan-bovard](#) • (470) 228-3159 • <https://ethanbovard.com> • Atlanta, GA

EDUCATION

Georgia State University

August 2016 — September 2021

Bachelor of Science in Computer Science

SKILLS

- Languages: Python, TypeScript, JavaScript, C#, Java, Rust, Swift
- Platforms: Windows, macOS, Linux
- Technologies: PostgreSQL, MongoDB, React, Next.js, Tailwind CSS, RabbitMQ, Redis, Docker, Kubernetes, Git, CI/CD, Agile

EXPERIENCE

Software Engineer, Itential Inc.

August 2021 — Now

- Developed and extended application functionality using **JavaScript** and **Node.js**, facilitating expansion into diverse use cases during collaborations with Johnson & Johnson and Lumen Enterprise
- Attained a noteworthy **79%** reduction in Nokia to Ciena 5G router migration time through the strategic implementation of **concurrency** in parser code during a Verizon Wireless engagement
- Assisted in an effort to optimize a GitLab **CI/CD** pipeline by contributing to the transition of the Kubernetes runner from Argo CI to Alpine Linux including the migration of essential features, such as semantic versioning, schema validation, and automated unit testing
- Played an active role in setting up and troubleshooting distributed **MongoDB**, **RabbitMQ**, and **Redis** clusters, contributing to the implementation of replication sets for high-availability environments in both testing and production

Technologies: JavaScript, Node.js, MongoDB, Redis, RabbitMQ, CI/CD, Docker, Kubernetes, Cypress

PROJECTS

Simple Trivia Game

February 2023 - Now

- Built a full-stack trivia game using **Next.js**, **TypeScript**, and **Node.js** and the Open Trivia DB REST API as its source of truth
- Designed a responsive and engaging user experience with **Figma** and implemented the frontend with **React.js**, **Tailwind CSS**, and **Framer Motion**
- Implemented data caching, data persistence, and facilitating real-time communication using **PostgreSQL**, **Redis**, and **Socket.IO** on the backend

Technologies: Next.js, React.js, TypeScript, PostgreSQL, Redis, Socket.IO, Tailwind CSS

Tap News

May 2021 - Now

- Collaborated with a team of four to develop an Android mobile application written in **Java** and **Kotlin** that provides news, weather, and traffic data
- Applied location awareness to capture weather information as precise as a landmark that enables the end user to make more informed decisions
- Managed **Google Cloud** API access that enabled features such as traffic flow to calculate distance, center map based on physical GPS location, and use autocomplete for inputting an address

Technologies: Java, Kotlin, Android Studio, Google Cloud