

Troy Ballinger

Full Stack Software Engineer

troyballinger.com
linkedin.com/in/troy-ballinger
github.com/TroyBallinger

SKILLS

Languages: JavaScript ES6 / TypeScript, Java, C / C++

Tools: MongoDB, SQL, GraphQL, Node, React, Kubernetes, Docker

PROFESSIONAL EXPERIENCE

Shippabo - Los Angeles, CA

August 2021 - Present

Full Stack Software Engineer

- Contributed to 100's of PRs, built dozens of UI components, refactored backend services with an emphasis on cybersecurity, modernized a responsive frontend with a focus on accessibility and low latency
- Worked with PubSub, machine learning, third party APIs, GPS data, and user analytics data
- Implemented customizable dashboards, maps with real-time data, payments page, login pages, and more
- Responsibilities included: releasing builds to production, migrating production data, reviewing pull requests, documentation and ticket creation, triaging bugs, and communicating across teams to form a cohesive product

Skills used: GraphQL, TypeScript, MongoDB, React, Node, Kubernetes, Docker

Gartner - Stamford, CT

Feb 2021 – Jul 2021

Associate Software Engineer

- Created microservices and improved upon legacy code in 5+ libraries pushed to production
- Implemented a system to dynamically generate PDFs from given datasets, rated 4.8/5 in customer interviews

Skills used: Java, JavaScript, React, Node, Spring, AWS, Jenkins, Docker

Ramagine - Los Angeles, CA

May 2019 – June 2020

Full Stack Software Engineer

- Launched a collaborative platform that enabled security teams to upload malicious files and analyze their source code safely in-browser, with version control and ability to modify and comment on source code
- Expanded onto open source NSA software to disassemble malware in a sandboxed cloud environment
- Guided contractors, actively participated in weekly strategy meetings with company founders, personally wrote a majority of the codebase, pitched product to cybersecurity companies and investors during DEFCON

Skills used: JavaScript, React, Java, MongoDB, Google Cloud, Auth0

EDUCATION

Binghamton University - Thomas J. Watson College of Engineering

Sep 2016 - May 2020

B.S. Computer Science, cum laude

Relevant coursework: Data Structure & Algorithms, Automata Theory, Design & Analysis of Algorithms, Operating Systems I/II, Adv. OOP, Adv. Computer Architecture, Software Project Management

PROJECTS

AI Car Recognition for Garage Doors - Binghamton University

Sep 2019 – Dec 2019

- Built a server with API, Android app, and Firebase DB, that worked together with OpenALPR and a camera to recognize approaching cars' license plates and automatically open garage door if the car is recognized
- App allowed users to store known plate numbers in DB, notified the user upon approach of an unknown vehicle, sent a picture, and allowed the user to remotely open/close the door; project ranked 1st in class