

Troy Ballinger

troyballinger97@gmail.com | troyballinger.com | linkedin.com/in/troy-ballinger

PROFESSIONAL EXPERIENCE

Shippabo, Los Angeles, CA

Aug 2021 – Present

Full-Stack Software Engineer

- Implemented entire pages, from the React UI to GraphQL/MongoDB/Node backend (incl: login/signup pages, home dashboard, payment pages, and other high-traffic page)
- Built out hyper-reusable UI base components using Tailwind, modernized payment pages, improved accessibility across the app
- Part of a small team responsible for migrating prod data and releasing new builds, triaged bugs, assisted in side projects

Gartner, Stamford, CT

Feb 2021 – Jul 2021

Associate Software Engineer

- Created microservices for the front-end using Node / React and back-end using Java / Spring and improved upon legacy code in 5+ libraries pushed to production, practiced an Agile workflow
- Designed API for dynamically generated data presentations rated 4.8/5 in customer interviews
- Responsible for building and deploying new features to AWS using Jenkins, Kubernetes, Docker, and Maven

Ramagine, Los Angeles, CA

May 2019 – June 2020

Full-Stack Software Engineer

- One of two engineers that launched a collaborative platform for reverse engineering malware samples remotely by modifying open source NSA code for in-browser, server-side disassembly with scripting and code-commenting capabilities
- Designed and created a microservice architecture using Docker to form a RESTful API in Node and Java
- Utilized MongoDB for user analytics, Auth0 for authentication, built front-end in React
- Pitched product to cybersecurity companies during DEFCON in August 2019, actively guided front-end contractors with React, and actively participated in weekly strategy meetings with company founders

Research Foundation of SUNY, Binghamton University

Apr 2017 - Sep 2017

Research Aide

- Research focused on SQL injection, XSS attacks, and mitigating risk of data breaches within Binghamton's external network
- Created an internal form generator (PHP / MySQL), used by HR department to create health forms for new lab hires

SKILLS

Languages: JavaScript ES6+ / TypeScript, Java, C / C++, Rust, Assembly, CSS, HTML

Tools: Git, Docker, Jenkins, Google Cloud, AWS, Kubernetes

Tech: Node, MongoDB, React, Spring, OAuth, SQL, NGINX

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. Object-Oriented Programming, Adv. Computer Architecture, Software Project Management

PROJECTS

AI Car Recognition for Garage Doors, Binghamton University

Sep 2019 – Dec 2019

- Deployed a Node server on Raspberry Pi + Camera that detects approaching vehicles and uses OpenALPR's AI to validate cars against Firebase DB of known vehicles managed in the Android app via API, was ranked 1st of 10 teams for project
- Paired API with Android app that gets notifications + pictures of approaching cars; user can approve/deny entry remotely

SEO/Website Revamp, Evident Thermoelectrics

Jun 2015 – Aug 2015

- Launched a dynamic product suggestion tool on company website using JavaScript; secured a sales inquiry referencing tool's recommendation within 24 hours of going live; maintained website code via Joomla!
- Expanded market reach by improving website SEO, shortening load times, and making social accounts on behalf of company

ACTIVITIES & LEADERSHIP

Upsilon Pi Epsilon, Binghamton University

Feb 2019 – May 2020

CS301: Ethical, Social, & Global Issues in Computing, Binghamton University

Jan 2019 – May 2019

Teaching Assistant

- Graded, corrected grammar/MLA formatting, and fact-checked students' technical research papers weekly

- Presented on technical writing techniques and the implications of current events within the computer science community