

Ryan Sabik

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EDUCATION

UNIVERSITY OF CALIFORNIA - RIVERSIDE | BS COMPUTER ENGINEERING Riverside, CA | June 2011 - June 2015

EXPERIENCE

NABIS | SENIOR SOFTWARE ENGINEER (TYPESCRIPT, RUST) San Francisco Bay Area | 2021 – Present

NABIS | SOFTWARE ENGINEER (TYPESCRIPT) San Francisco Bay Area | 2019 – 2021

- Full Stack Developer in a TypeScript / JavaScript codebase.
- Developed web application used by customers and internal operations team using React, Express.js, Rust and Typescript
- Introduced microservice architecture, scaling PDF generation of manifests using AWS Lambda and S3.
- Leveraged relational database PostgreSQL on RDS, and Redis, to scale website access by orders of magnitude, to \$100 million revenue website.
- Implemented backend services on a GraphQL server, caching through Redis, and serving traffic for Retailers, Manufacturers / Brands, and Logistics Delivery Teams.

GENERAL MOTORS | SOFTWARE ENGINEER (C++ , JAVA, PYTHON) Warren, MI | 2018 – 2019

- Systems Software Engineer working in C++ and Java on the Voice Recognition team.
- Domain leader of TTS (Text To Speech) component, translating Android API Java calls into C++ and Native socket calls, offloading processing to a cloud speech recognition provider.
- Maintained C++ base, optimized multi-threaded concurrency, for a more responsive voice assistant.
- Developed automation testing in Python, promoting ease of reproducing defects and integration testing.
- General Ubuntu and Linux scripting using Bash and Python.

US ARMY (TARDEC) | SOFTWARE ENGINEER (C++, PYTHON, JS) Warren, MI | 2017 – 2018

- Robotics and Full Stack developer, writing C++ and JavaScript as part of the robotics engineering team.
- In C++ developed sensor's XML parsing API component for a robotic controller.
- Developed AngularJS frontend features, improving the UI and display space.
- Developed the gamepad feature, allowing soldier control of the robot and application simultaneously.
- Wrote Python tools to automate testing of the robot using WireShark to sniff and spoof network traffic.

SKILLS

LANGUAGES	C++, C, Python, Java, TypeScript, JavaScript, HTML, CSS, Rust
TOOLS	Linux Systems, AWS, Lambda, EC2, S3, Microservices, React, Docker, SQL, Express, Node.js
PARADIGMS	Systems Developer, Cloud, Frontend, Backend, Git, Agile, REST, GraphQL,

AWARDS

SAE - CYBER AUTO TRUCK CHALLENGE 2017 2017
Computer / Automotive Hacking Competition

MTRS-INC-II EXCELLENCE AWARD 2018 US ARMY (TARDEC) | 2018
Aiding in saving soldier's on the MTRS-INC-II Robotics Program.

MISC

MY WEBSITE

ryansabik.com