

Quinn Casey

<https://quinncasey.com>

quinn@quinncasey.com

(949) 258-7065

EDUCATION

Bachelor's in Computer Science – University of California, Irvine 2018. 3.2 GPA

EXPERIENCE

Full Stack Development

SearchMarketers.com

August 2017 - Present

- Designed unique backend solutions for client's customer and business data by handling external APIs, sequential logic, and databases in PHP.
- Developed a client's web presence in their CMS platform of choice, typically upgrading from .NET or raw HTML, CSS, and Javascript.
- Seamlessly transitioned from Rackspace VPS databases to AWS Redshift, saving nearly \$600 per month with a negligible latency increase.
- Without formal Agile processes, still worked in short sprints of well documented, manually tested, and deliverable products to meet deadlines reliably.

Personal Software Projects

MDroid: Vehicle Tracking, Control, and API

August 2016 - Present

- In-Vehicle Golang REST API for control and data collection on embedded SBCs.

- LTE websocket to AWS server, reporting GPS, RPMs, speed, air flow, and other vehicle diagnostics and trouble codes.
- Handling power delivery of onboard Intel NUC + 4K cameras for license plate recognition, low priority FFMpeg footage transcoding and offloading.
- Serial communication to vehicle over CAN and K-BUS (RS232) in Python.
- Arduino control of relays, reporting over BLE for 4+ weeks of continuous runtime.
- React Native Android apps for controlling Bluetooth Audio / Infotainment.

All projects and github code documented on quinncasey.com

SKILLS

Languages

- 3+ years in Javascript, PHP, SQL, HTML, and CSS.
- 2+ years in Python, Go, and React.
- Familiarity in C++, React Native, Typescript, and Java.

Systems

- Low-volume REST & GraphQL API development with scalability in mind.
- 6+ years in Linux/Unix environments.
- Familiar with Docker, Apache/NGINX, MySQL/Postgres management.
- Bluetooth Low-Energy embedded development on ESP-32, Arduino.
- Performance research and deep interest in embedded Linux SBCs.