

CLAY BEABOUT

Senior Software Engineer

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EDUCATION

UNIVERSITY OF KANSAS

Lawrence, KS

Bachelors of Science in Computer Science

December '20

PROJECTS

BEL Internal

Sole Developer

Ruby on Rails, PostgreSQL, Docker, Nginx, Debian Server

Task tracking, workflow CRM application emphasizing data organization, analysis and scheduling. Currently serving over 3000+ clients. Custom built for a local small business.

GATR - Garmin OEM Test Rack

Software Engineer, Orchestration Lead

Zephyr RTOS, Linux, Embedded System Design

An ECU regression, integration and qualification testing platform for current and future OEM projects.

Contributions include RTOS, device driver, embedded integrations and ethernet switch development.

BMW MGU22 Program

Software Engineer, Integration Lead

Yocto, Linux Kernel, ECU development

Embedded ECU platform shipped in 2018-2023 Premium BMW vehicles with efforts covering PCB design to production line manufacturing. Contributions include kernel development and BSP integration management.

SKILLS

- **Administrative:** Application Lifecycle & Maintenance - Negotiation, Collaboration & Execution - Task Delegation & Distribution
- **Technical:** Embedded Systems & RTOS development - Linux Integrations and Networking Development - Software Integrations & Regression Testing- Web Applications & Server Construction
- **Languages & Frameworks:** C++, C, Yocto, Zephyr, Linux Kernel, Bash/Zsh/sh, Ruby on Rails, Flask

WORK HISTORY

Software: Integration, Administration & Supervision

Olathe, KS

Garmin International

5y

- Led cross-functional development efforts on the BMW Warranty Program, BMW OS Integrations, and GATR RTOS Project—refining processes, aligning priorities, and empowering engineers to deliver higher-quality, maintainable software.
- Provided mentorship and technical guidance to associate engineers, cultivating growth through goal setting, risk assessment, and continuous improvement strategies across both BMW and GATR initiatives.
- Enhanced firmware and kernel software quality, performance, and reliability for the BMW MGU22 automotive platform, ensuring seamless operation of embedded systems.
- Collaborated with SoC vendors and internal stakeholders to integrate and validate low-level software components, expanding platform stability, feature maturity, and team technical fluency.

Applications: Development, Implementation & Delivery

Lawrence, KS

Brand New Box - Software Engineer

2y

- Delivered and maintained scalable system architecture ensuring high-availability Internet site with multiple internal applications.
- Collaborated on all stages of systems development lifecycle, from requirement gathering to production releases.