

# CLAY BEABOUT

## Senior Software Engineer

claybeabout.com • beaboutclayton@gmail.com • 316-295-7762

### EDUCATION

UNIVERSITY OF KANSAS

*Bachelors of Science in Computer Science*

*Lawrence, KS*

*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 AOEM Test Rack**

*Software Engineer, Orchestration Lead*

*Zephyr RTOS, Linux, Embedded System Design*

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