

Phillip Raich

Computer Engineer

Austin, Texas | phill.raich@pm.me | 435-630-1389

Professional Experience

Software Engineer, General Motors

Austin, Texas
May 2022 to May 2026

- End-to-End Development: Engineered and maintained five robust enterprise applications using Java backends and Angular frontends, utilized by thousands of users to perform critical request-to-pay processes.
- Testing & Quality Assurance: Implemented comprehensive unit testing suites to achieve 95% or higher coverage. Instrumented Datadog to stay informed of application metrics, achieving 100% yearly uptime over three years.
- Security & Vulnerability Remediation: Created daily builds and scanning workflows to proactively identify security flaws and vulnerabilities. Regularly patched dependencies, refactoring code to remediate concerns and meet strict enterprise security standards.
- Integrations: Implemented integrations into SAP products through OData connections to expand their capabilities. Integrated Redis caching to improve application load times by 55%.
- Cloud Orchestration: Deployed and managed containerized workloads across Kubernetes (K8s), Red Hat OpenShift and Azure, optimizing for reliability and uptime.
- CI/CD: Developed automated GitHub Actions workflows to safely launch and update applications in a blue/green deployment scheme. Implemented active/active regional redundancy ensuring disaster recovery.
- Development Tools: Experienced with AI tools such as Copilot, Glean and Cursor; embracing their ability to increase throughput, speeding up repeatable engineering work and PR turnaround.

Automotive Technician, Master AutoTech

Salt Lake City, Utah
Sept. 2020 to May 2022

- Identified root causes of engine performance issues, warning lights, transmission concerns, suspension failures and electrical malfunctions.
- Performed repairs and component replacements on engines, brake systems, steering and suspension, HVAC systems, fuel systems and electrical wiring to meet manufacturer specifications and safety standards.

Retail Sales Manager, O'Reilly Auto Parts

Salt Lake City, Utah
June 2013 to Sept. 2020

- Managed daily store operations in the absence of management, including opening and closing procedures, cash handling and shift supervision.

Education

University of Utah

Bachelor of Science in Computer Engineering

Salt Lake City, Utah
Dec. 2021

Utah State University

Associate of Science in General Studies

Associate of Applied Science in Automotive Technology

Logan, Utah
May 2017

Skills

- Java
- TypeScript
- C
- GitHub
- Kubernetes
- Embedded Design
- Verilog
- Circuit Design
- Jest

Volunteering

Lead Audio Technician, Antioch Austin

May 2022 - Present

USU Eastern Student Body President

June 2016 - May 2017