

Jordan Bringgold

hi@jordanbring.gold github.com/jordan-bring-gold linkedin.com/in/jordan-bringgold

SKILLS

JavaScript, Python, React.js, Next.js, Node.js, Git, Docker, AWS, Regex, MongoDB, SQL, Arduino, Raspberry Pi, Linux, Kicad, LoRa, Github Pages, Github Actions, CI/CD, Tailwind.css, TypeScript, TestRail, Vibe Coding, Github Copilot, AI, OpenCV, Agile, DevOps, Nginx, SolidWorks, Selenium

PROFESSIONAL EXPERIENCE

EMC Electrical Technician II

May 2025 - Present

Polaris — Wyoming, MN

- Streamlined company-wide test request logistics by building a full-stack web app that centralized scheduling, saving admins 3-5 hours weekly
- Executed EMC/EMI/ESD testing for 50+ vehicles systems annually, providing failure diagnostics and preventative recommendations that accelerated issue resolution timelines
- Maintained test equipment calibration via weekly verification and external certification, ensuring 100% compliance
- Developed a Python script that replaced a vendor's \$24,000 paywalled reporting feature, generating tailored data reports at no cost

Electrical Technician I

Mar 2023 - May 2025

Polaris — Wyoming, MN

- Optimized wire harness assembly by creating a custom web app that automated wire length calculations and accelerated build timelines by 75%
- Developed an automated end-of-line programming solution for manufacturing line, cutting programming time from 5 minutes to 12 seconds
- Assembled custom vehicle wiring harnesses from electrical schematics, measuring, routing, terminating, and pinning up to 250 wires per harness for prototype off-road vehicles

Full Stack Engineer

Feb 2022 - Mar 2023

Phase Technologies — Rapid City, SD

- Developed full-stack ERP features using AngularJS, Nodejs, and MongoDB to support scalable manufacturing process management
- Managed feature development using Azure DevOps, planning sprints, executing prioritized work, and deploying tested features from development to production
- Developed a wave-solder flux calculation module that reduced printed circuit board (PCB) defects from ~50% to 5%

Electrical Technician

Oct 2020 - Feb 2022

Inergy — Orem, UT

- Assembled high-density battery management system PCBs for modular solar generators, hand-soldering 0201-BGA SMD components to support rapid design iterations
- Executed unit and regression testing in TestRail, stress-testing modular battery systems and power flows to identify defects in software releases
- Analyzed datasheets to source and qualify alternate electronic components, ensuring compatibility and production continuity during supply shortages

Volunteer Missionary

Dec 2015 - Dec 2017

LDS Church — Phuthaditjhaba, South Africa

- Led and trained teams of 2 to 20 volunteers, setting goals and tracking performance across assigned areas
- Adapted to collaborate with individuals from diverse cultural backgrounds while working in unfamiliar environments

EDUCATION

Bachelor of Science in Software Engineering

Jan 2024 - Nov 2025

Western Governors University — Salt Lake City, UT (Online)

Associate of Science, Emphasis in Electrical Engineering

Aug 2018 - May 2020

Snow College — Ephraim, UT

CERTIFICATIONS

AWS Certified Cloud Practitioner — Amazon Web Services

Sep 2024

