

Noah T. Brewer

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EDUCATION

Texas Tech University	Lubbock, TX
Bachelor of Science in Electrical Engineering	2015

EMPLOYMENT

OpenBMC Developer

IBM - Austin, TX	2021-current
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- Implemented business critical features from high level design documents
- Organized meetings and held discussions for drafting behavior specification
- Integrated unit tests that hooks into build system for CI and CD
- Worked independently taking initiative on feature ownership
- Created repositories which integrated into our software solution
- Collaborated with company members for code review, design and behavior specifications

Firmware Engineer II

Vertiv – Austin, TX	2018-2021
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- Analyzed defect reports and drove defects to resolution through code changes
- Developed embedded applications using the Yocto Linux toolchain
- Performed root cause analysis on wide range of applications from in-house to open source software
- Provided technical analysis to management and multifunctional teams for collaboration
- Setup various test environments to reproduce defects
- Analyzed programs for correctness during code reviews
- Led meetings to discuss software designs

Process Engineer

Streamline Technical Services – Austin, TX	2016-2018
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- Analyzed digital schematics and diagnosed electronic assemblies at the component level
 - Read component datasheets for electrical specifications to root cause issues on boards
 - Designed and implemented tests scripts, tools, and automated production processes
 - Documented findings and published repair documentation to corporate affiliates
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TECHNICAL SKILLS

Primary Skills

- **Programming Languages:** C, C++, Python, JavaScript, Bash
 - **Build systems:** Make, autotools, meson, Yocto, OpenBMC
 - **Misc:** Git, Docker, gtest, Code Collab, gerrit, Jenkins, Jira
 - **Web:** HTML, CSS, Flexbox, React JS, node.js, HTTP protocol
 - **OS General:**
 - Linux - user administration, package managers, shell commands, piping, kernel modules, devices, udev, systemd and bash scripting
 - Windows - PowerShell familiarity, Firewall, Windows Server 2012 experience and Active Directory
 - MacOS - Unix overlap with linux and general use
 - **Programming Concepts:** Linux system programming concepts (userspace), glibc, Multithreading, event based programming, OOP, functional programming concepts
 - **Library Specialties:** PAM (Pluggable Authentication Modules), D-Bus, Redfish (specification), OpenSSL
 - **Debugging tools:** TCP/IP packet analysis (wireshark), GDB, nmap, journal logs, and browser debuggers
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CERTIFICATIONS

Engineer-in-Training, Board of Professional Engineers	2017
Texas License, EIT# 57515	