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
- 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
- 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
- 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

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

CERTIFICATIONS

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