Sean Michael Hailey

Meridian, ID ▪ (208) 871-4621 ▪ smhailey@msn.com ▪ www.linkedin.com/in/smhailey/

FULL STACK SOFTWARE DEVELOPER

https://smhailey.github.io

Detailed, dedicated and high-integrity Full Stack Software Developer with experience building applications from start to finish utilizing multiple front and back-end languages. Comfortable working independently or collaborating with peers to design projects to meet strict deadlines. Motivated to learn new technologies and continuously expand skills. Innovative and curious professional who identifies opportunities for improvement. Proven expertise in electrical engineering, nuclear power and mechanical systems. Demonstrates high emotional intelligence and ability to remain calm in stressful situations.

Areas of Competency

HTML5 ▪ JavaScript ES6 ▪ Node.js ▪ C# ▪ CSS3 ▪ MongoDB ▪ SQL ▪ .NETCore ▪ Socket.io ▪ Git

Vue.js ▪ Agile/Scrum ▪ Web API/HTTP ▪ Bootstrap4 ▪ Electrical Engineering ▪ Nuclear Engineering

Steam-Driven Turbine Generators ▪ 2D & 3D Modeling and Diagrams ▪ Project Management

Analog & Digital Circuit Design ▪ Quality Assurance & Quality Control (QA/QC) ▪ Document Management

Technology: GitHub, Visual Studio Code, Linux OS, Windows OS, Microsoft Office, CAD, AutoCAD R13

Professional Experience

Full Stack Software Developer Student – Boise CodeWorks   2019

Completed a 13-week full-time Full Stack immersive coding bootcamp to learn front and back-end coding under the supervision of experienced mentors to create fully functional real-world applications.

Noteworthy Accomplishments:

- Completed 500+ hours of hands-on coding time, completing over 20 projects in 13- weeks.
- Collaborated with 3 fellow Developers to design and build the *WaFL (What's For Lunch)* Full Stack Application from the ground up to allow users to choose nearby restaurants using geolocation and *Google Places API* to vote on locations to host group lunches.
- *Keepr* is a full stack application with a *Vue JavaScript* front-end and a *.NET C#* back-end connected to a MySQL database. It is designed to allow posting "keeps" (similar to a "pin" in Pinterest) and keeping them in "vaults" (similar to a "board" in Pinterest).
- *Inspire* is a desktop application that keeps track of todo lists, display the current weather as well as a quote-of-the-day all displayed on an ever-changing background image.

Senior Layout Designer – Micron Technology, Inc.   2004 to 2019

Convert Design Engineering schematics of CMOS Integrated Circuits (IC) into quality layout blocks that align with company and JEDEC design standards. Identify issues and develop proposals and solutions that consider cost estimates, fabrication process, hierarchy and project deadlines to avoid rework. Verify all levels of analog and digital circuits. Produce Computer Aided Designs (CAD) using CAD software. Manage design and layout projects and schedules, ensuring attainment of tight deadlines. Proactively drive process improvement and methodology development to mitigate design issues.

Noteworthy Accomplishments:

- Identified, proposed and implemented innovative solution that allowed entire project to be built (about 10%) faster and more efficiently through power-switching of z-power rails and space saving measures.

- Collaborated with colleagues in Fabrication to review chip manufacturing processes, costs and product issues to improve new part design.

Equipment Support Technician – Micron Systems Integration (SIG)   2000 to 2004

Built and installed semiconductor testing equipment for SIG in both cleanroom and non-cleanroom environments, ensuring adherence to ANSI design standards. Solved equipment malfunctions through troubleshooting and avoided future issues through diligent routine maintenance.

Noteworthy Accomplishments:

- Served on team that reduced company costs by building equipment prototypes prior to full production. Identified and capitalized on design adaptation opportunities to decrease manufacturing expense, reduce labor and mitigate re-work.

- Worked with Robotics Systems (pick-and-place and fluid applications) and Programmable Logic Controller (PLC) system.

Equipment Support Technician – Micron Display Technology   1996 to 2000

Crafted, repaired and maintained production equipment inside and outside of cleanroom environment. Drafted fabrication and assembly prints (using AutoCAD R13) to be used by the metal and plastic shops for creation or modification of equipment parts.

Noteworthy Accomplishments:

- Developed and maintained Inventory Program to support on-site equipment management.

- Gained knowledge about and experience with multiple types of low and high vacuum pumps and gauges.

Additional Related Experience

Nuclear Machinist Mate | Plant Supervisor – United States Navy   1990 to 1996

Supervised all Engine Room watch stations and 3 personnel. Monitored and operated 14+ onboard systems ranging from Ship Service Turbine Generators to Seawater Cooling Pumps, Condensers, Potable Water units, Air Conditioning systems, Oil Purification units, Bilge Discharge Pumps and more. Maintained and continuously applied technical knowledge of all Engine Room equipment for nuclear submarines with strict compliance to Naval Reactor Quality Assurance requirements.

Noteworthy Accomplishments:

- Held Secret Security Clearance.

- Coordinated resources (including Engineering Operators) through typical and emergency response situations.

Education, Credentials & Affiliations

CODEWORKS ▪ Certificate of Completion

INSTITUTE OF ELECTRICAL & ELECTRONICS ENGINEERS (IEEE) ▪ Active Member

NAUI ▪ Openwater I Dive Certification

NAVAL NUCLEAR POWER PROTOTYPE TRAINING (Idaho Falls, ID) | NAVAL NUCLEAR POWER SCHOOL (Orlando, FL) ▪ MM 3355 Submarine Nuclear Propulsion Plant Operator & Mechanic Designation

DEVRY INSTITUTE OF TECHNOLOGY ▪ Bachelor of Science – Electronics Engineering Technology (BSEET)