

Hayden Dickson

Software Engineer | Salt Lake City, Utah

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WORK EXPERIENCE

FULL-STACK SOFTWARE ENGINEER & PRODUCT LEAD

My Figures

Apr.2024-Sept.2025

- Built and optimized user-friendly interfaces with Next.js, TypeScript, Tailwind CSS, and third-party UI libraries (Shadcn, MUI, Tremor)
- Served as product lead, providing management and ownership of features.
- Designed and developed a bookkeeping software platform adopted by accounting firms.
- Architected and optimized API routes for high-performance communication between internal and third-party services.
- Implemented webhooks for fast and reliable data processing.
- Improved overall application performance by up to 70% through code and infrastructure optimizations.
- Delivered end-to-end solutions, managing both frontend and backend development.
- Developed client portal features leveraging third-party integrations to enhance functionality and user experience.
- Collaborated in a fast-paced Agile startup environment, rapidly delivering high-quality features.
- Partnered with clients and third-party vendors to identify requirements and implement scalable solutions.

SOFTWARE ENGINEER

Pixels on Target LLC

Jun.2023-Apr.2024

- Designed and programmed a scalable Python application for efficiently loading firmware onto embedded systems, used by clients and internal staff.
- Collaborated in Scrum environment with senior and junior developers to achieve timely and efficient delivery.
- Integrated and updated code bases for cohesive functionality with other programs.
- Developed C++ application software with flash and linker scripts, optimizing performance and hardware integration.
- Implemented UART protocols to enable seamless hardware communication.
- Used ST-LINK utilities, PuTTY, and STM Cube Programmer for firmware loading.
- Applied industry-standard version control practices using Git and Bitbucket.

EDUCATION

BS COMPUTER SCIENCE - WEBER STATE UNIVERSITY

Ogden, UT

Computer Science Bachelors

Dec 2023

Programming Essentials Certificate of Proficiency

Dec 2022

Computer Science Associates

Aug 2023

PROJECTS

EARBOOK | REACT, NODE.JS, EXPRESS, MONGODB, CSS, HTML

- Developed a MERN stack application enabling users to join rooms and play music collaboratively.
- Integrated Spotify's API system for seamless song search, play and queue functionality.
- Implemented Spotify authentication using tokens for user access control.

POKEMON TEAM BUILDER | Android Studio, XML, Java, RoomDB

- Built an Android application enabling users to assemble Pokémon teams.
- Utilized RoomDB for local storage with dynamic adding and deleting capabilities

SKILLS

Frameworks: Next.js, Django, MERN, ASP.NET, MEAN, MVC, MVVM, React, Angular, PHP, Vue

Tools: GIT, Jira, GitHub, Bitbucket, Make, Postman, MCP tools

Languages: C#, C++, C, Python, Java, HTML, CSS, Kotlin, TypeScript, JavaScript

Databases: MySQL, RoomDB, MongoDB, SQLite, Postgres, Supabase, Convex