Zachary Hensler

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Fullstack Software Engineer

Summary

I am a fullstack software engineer with experience working on front and back end applications.

Highlights include:

• Over four years' professional software development experience, working with a variety of front end and back end technologies.

• Over 2 years experience with AWS services, using SAM and CDK to deploy applications utilizing API Gateway, Lambda, DynamoDB, and S3.

• A proven leader and team player, leading front end development for a small team. Defining work to implement new features, and training/on-boarding two new developers onto the project.

• Wrote documentation for both technical and non-technical audiences, to communicate functionality and assist with developer on-boarding.

• Bachelor of Science in Computer Engineering from Purdue University.

Professional Experience

Fullstack Engineer
Veridos - June 2021 – Present
• Updated a legacy .net framework application and inno installers. Addressing security concerns and enabling an upgrade from Windows Server 2012 to 2022.

• Created and tested C# and F# plugins to assist in migrating legacy customers to our larger factory, saving an estimated $2 million in operational costs.

• Implemented an IMB encoding algorithm according to the USPS Standard. Allowing us to provide additional tracking information for our customers.

• Wrote queries and performed migrations for PostgreSQL and DynamoDB databases.

• Wrote documentation for technical audiences using JSDoc to explain code functionality and maintenance guides.

• Wrote documentation for non-technical audience in Confluence to describe software usage and expected behaviors.

• Developed a highly configurable React and Typescript application, for capturing and evaluating ID photos.

• Identified and fixed bugs in legacy React front end applications.

• Presented sprint demos to internal stakeholders and occasional software demos to potential clients.

Front End Web Developer
Rural Sourcing (Now Sparq) - October 2020 – June 2021
• Built dynamic front end applications using React, Redux, and Lodash.

• Refactored existing recompose pages to use React Hooks, making them easier to maintain and removing an external dependency.

• Wrote unit tests using enzyme and jest, to ensure functionality across multiple edge cases.

Web Programmer Assistant
Purdue University - June 2019 – May 2020
 • Built responsive and accessible websites using HTML, CSS, and JS for teachers in the Department of Science.

 • Regularly communicated with staff members to receive feedback, and perform updates.

 • Integrated with Cascade CMS to create configurable content sections, allowing teachers to perform updates without developer intervention.

Education

Bachelor of Science in Computer Engineering

Purdue University, West Lafayette, IN

Awarded August 2020

Skills and Experience

Languages/Frameworks: C#, F#, React, Typescript, Javascript, HTML, CSS, SQL, C, Python, JSDoc

Tools: Git, Webpack, Vite, Yarn, Npm, Nuget, Jest, React Testing Libarary, Xunit, Github Pages, AWS Services (API Gateway, S3, Lambda, DynamoDB), Inno Installer

Databases: PostgreSQL, DynamoDB

Software: Webstorm, Rider, Visual Studio Code, Jira, Confluence, Microsoft Word, Excel, Teams, Photoshop

Projects

Homepage - https://zach-hensler.github.io/homepage/
A simple typescript and preact application, hosted with github pages. Built to communicate additional professional and personal information about myself.

Gallery - https://zach-hensler.github.io/gallery/
A typescript and preact application, using the bulma css framework, and hosted with github pages. Designed to be intuitive and responsive for a range of form factors.

Source Code - https://github.com/zach-hensler
The source code for all of my personal projects are hosted on my github.