Zach Hensler

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(260) 446-5280

Full Stack Software Developer

Summary

Experienced full-stack developer skilled in front and back end software engineering.

Highlights include:

- Over four years' professional software development experience, working with React and Dotnet
- Over three years' Amazon Web Services (AWS) experience with Serverless Application Model (SAM) and Cloud Development Kit (CDK) to deploy applications using API Gateway, Lambda, DynamoDB, and S3
- Lead the front end development team, defining new features and on-boarding and training two new developers
- Writing technical and non-technical documentation to communicate application functionality
- Bachelor of Science in Computer Engineering from Purdue University

Professional Experience

Full Stack Engineer
Veridos   June 2021 – Present

- Built a React and Typescript web portal, providing visibility into production statuses, and enabling project managers to manage system configurations
- Developed helper classes and a docker image to enable easy unit and integration testing for a C# application with multiple databases
- Updated legacy .net framework application and Inno Setup installer script, eliminating security vulnerabilities and enabling an upgrade from Windows Server 2012 to 2022
- Created and tested C# and F# plugins to migrate legacy customers to our larger factory, *saving an estimated $2 million in operational costs*
- Implemented an Intelligent Mail Barcode (IMB) encoding algorithm, enabling USPS tracking updates for our customers.
- Wrote queries for a PostgreSQL database to generate automated, daily customer reports. Improving customer visibility into production status.
- Documented software code functionality and wrote maintenance guides for technical audiences using JSDoc

- Documented software usage and expected behaviors in Confluence for non-technical audience
- Developed highly-configurable React and TypeScript application for capturing and evaluating ID photos
- Identified and fixed timezone bugs in legacy React front end applications to prevent license renewals from being improperly denied.
- Demonstrated software features during to internal stakeholders during sprints and externally to potential clients during sales presentations

Front End Web Developer

Rural Sourcing (Now Sparq)   October 2020 – June 2021

- Built a dynamic front-end application using React, Redux, and Lodash to provide visibility into SaaS application usage
- Refactored existing recompose pages to use React Hooks, removing external dependencies and making them easier to maintain
- Wrote automated unit tests using Enzyme and Jest to ensure functionality across multiple use cases

Web Programmer Assistant

Purdue University   June 2019 – May 2020

- Built five responsive and accessible websites using HTML, CSS, and JavaScript for staff in the Department of Science to promote research and events
- Gathered requirements from staff via email and in person meetings to build initial websites
- Updated initial staff websites in response to feedback to better align with staff members' goals
- Integrated websites with Cascade content management system (CMS) to create configurable content sections, enabling staff to perform updates without developer intervention

Education

Bachelor of Science in Computer Engineering

Purdue University, West Lafayette, IN, August 2020

Skills and Experience

Languages and Frameworks: C#, F#, React, TypeScript, JavaScript, HTML, CSS, SQL, C, Python, JSDoc

Databases: PostgreSQL, DynamoDB

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

Applications: Windows, macOS, WebStorm, Rider, Visual Studio Code, Jira, Confluence, Postman, Insomnia, Microsoft Word, Excel, Teams, Adobe Photoshop, Clip Studio Paint

Projects

Homepage - https://zach-hensler.github.io/homepage/
A simple TypeScript and Preact application hosted with GitHub pages. Provides additional professional and personal information.

Source Code - https://github.com/zach-hensler
Source code for my personal projects, hosted on GitHub.

References available upon request.