CONTACT

- Hermiston, OR 97838
- 208- 630-4104
- josh@holmes-software.com

PROFESSIONAL SUMMARY

Versatile Software Engineer with a robust background in microservices and API development, most recently at Corteva Agriscience. Expert in AWS Suite, Rust, and Python, with a proven track record of enhancing system efficiency and reducing costs. Demonstrates strong leadership and project management acumen, as evidenced by directing operations at Echelon Group.

SKILLS

- Rust
- Python
- Node.js
- JavaScript
- TypeScript
- Linux
- Ruby
- React
- Angular
- API development
- Docker/containerization
- AWS Lambda
- AWS Suite
- GCloud
- PostgreSQL
- MongoDB
- Firebase
- Flask
- Express.js
- Ruby on Rails
- DevOps
- Bash
- Networking

JOSHUA HOLMES
SOFTWARE ENGINEER

EXPERIENCE

Software Engineer I (contractor) Corteva Agriscience
04/2023 - Present

- Managed unit-tested microservices that retrieve satellite imagery of farm fields, save in AWS RDS (PostgreSQL DB) and AWS S3 buckets, and serve using Flask API, AWS Lambda
- Updated old code bases to modern development standards using Terraform and GitLab CI/CD pipeline to improve code base consistency, code smell, and cut development costs
- Built frontend UI components using React/Typescript along with backend API routes and tests with Bottle/Pydantic for new Dynamic Structured Notes service
- Developed scripts that run in CI/CD pipeline to manage the team's GitLab settings in one place with Python, Terraform, Docker, and Bash; Presented it to 50+ Engineering Managers and Product Development Managers

Software Developer StatHero (fantasy sports platform)
03/2022 - 04/2023

- Utilized Node.js and Puppeteer to develop and deploy web scraping bot on Google Cloud instance to retrieve data for internal MongoDB/Express.js sports API, saving $50,000 per year
- Architected and developed new Affiliate and Referral programs with Python and Firebase to increase user base and engage new users
- Built frontend reporting tools for internal app using Angular and TS to provide financial visibility
- Collaborated on stages of systems development lifecycle from requirement gathering to production releases.

Director of Operations Echelon Group (financial advisory firm) - Boise, US
06/2019 - 10/2021

- Direct report to president, managed and budgeted wide variety of internal projects

EDUCATION

Bachelor of Music: Music Performance
Boise State University - Boise, ID, US, 05/2019

WEBSITE, PORTFOLIO AND PROFILES

www.holmes-software.com

VOLUNTEER EXPERIENCE

Servo Open Source Contributor
10/2023 - Present
Servo is a browser engine written completely in Rust.

- Contributed to the implementation of flexbox in the layout engine

Video Game in Rust using Vulkan API Personal Project
01/2024 - Present
A video game written entirely in Rust, using a custom-built game engine rendered with Vulkan API

- Project is still in development, everything is written in Rust
- Building game engine from scratch, rendered using Rust Vulkan wrapper, Vulkano

Google Photos Metadata Fix Personal Project
04/2023 - 04/2023
Fixes metadata for photos exported from Google Photos, using Python, ExifTool and Pytest

- Reads provided JSON to extract metadata and apply to image metadata using ExifTool and also to OS level metadata. Removes JSON files
- Optionally converts HEIC files to JPG, for user's convenience

CERTIFICATIONS

Certification of Completion at Flatiron School of Software Engineering