

ADAM ISOM

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Full-stack software engineer with multiple years of experience in Ruby and JavaScript ecosystems. Co-creator of Haven, an open-source developer tool for small teams that abstracts away the complexity of secrets management.

EXPERIENCE

Haven (<https://haven-secrets.github.io/>), 2020 – present

Co-Creator and Software Engineer 📄

- Designed, prototyped, and built Haven backend, using Node.js and AWS
- Implemented secure secrets storage following encryption best practices, and with low latency and high availability, using AWS SDKs and Amazon DynamoDB
- Enabled team management features such as fine-grained access control, flagging and revocation, and access logs, using Amazon DynamoDB and AWS IAM
- Solved new-user credentials distribution problem, using AWS Lambda
- Solved master key distribution problem, using AWS KMS
- Enabled application secrets to be fetched, decrypted, injected, and redacted from logs at runtime, using Node.js child processes
- Automated setup and teardown of cloud infrastructure, using AWS CloudFormation
- Designed and built a web UI frontend and a CLI, using React and Node.js
- Collaborated daily with a fully remote team of engineers
- Authored technical case study: <https://haven-secrets.github.io/case-study>

Self-Employed, Software Engineer 2019 – present

Developed open-source software, including:

- A helpdesk ticket tracking application, built with Ruby on Rails, deployed on Heroku
- A web application that allows viewing and filtering of airline routes, built with React
- A kanban board application, built with React, Redux, Ruby on Rails, and PostgreSQL

Utah Higher Education Assistance Authority, Business Systems Analyst 2018 – 2019

- Wrote requirements and test cases; liaised between development team, business units

SKILLS

Backend

Ruby & Rails
Node.js
Python
SQL (PostgreSQL, T-SQL)
RESTful APIs

Frontend

JavaScript (ES5 & ES6+)
React
Redux
HTML5 & CSS3
jQuery

Cloud

AWS (Lambda, DynamoDB,
CloudFormation, KMS, IAM)
DigitalOcean
Heroku

Other

Git & GitHub
Bash / command line
Agile & Scrum

EDUCATION

B.S. Computer Science, Western Governors University 2018 – present

103/122 credits completed

B.S. Psychology, University of Utah 2011 – 2015