

# Luke Powers

 lukespowers@gmail.com  4807372137  lukepow

## PROFILE

---

I'm a full-stack software engineer with multiple years of experience in both the Ruby and JavaScript ecosystems. Over the past 2 years, I've built a solid foundation in web engineering fundamentals that I'm eager to deploy on challenging projects that expand my current skill set and tech stack. Most recently I co-created Snowclone, an open-source BaaS with real-time capabilities.

## SKILLS

---

### Languages

JavaScript (ES6+), Ruby, Golang, Python, SQL

### Libraries/Frameworks

Node.js, Express, React, Sinatra

### Cloud

AWS, Terraform, Digital Ocean, Heroku

### Other

Git/Github, Docker, Jest, HTTP/S, Websockets, SSE, OOP, REST APIs, Visual Studio

## PROFESSIONAL EXPERIENCE

---

### Creator and Software Engineer

2024 – present

#### *Snowclone*

Snowclone is an open-source project that streamlines the process of creating and managing cloud infrastructure for database and APIs that support frontend applications and require real-time capabilities.

- Developed a containerized architecture for portable backends that provides APIs for schema migration, REST, and real-time notifications using a PostgreSQL database (Node.js, express, SSE, Docker)
- Designed a cloud deployment architecture that prioritizes scalability and cost-efficiency (ECS Fargate, ELB, RDS)
- Leveraged Terraform to provision the 55 resources needed for each instance and to manage the state of projects deployed to AWS
- Built a CLI for managing the lifecycle of projects in AWS via terraform from initializing the admin infrastructure to deploying multiple projects
- Authored a comprehensive technical case-study detailing the problem domain, system design, and engineering decisions
- Collaborated remotely with a team of four engineers using agile workflow

### Software Engineer

2022 – 2023

#### *Self-employed*

Developed freelance and open-source applications including:

- *Reqwestbin* - tool for collecting and debugging webhooks (DO Droplet, MongoDB, Nginx, React, Express)
- A tool for posting and viewing rock climbing routes and areas (Ruby, Sinatra, PostgreSQL)

### Capital Markets Analyst

2021 – 2022

#### *CapCenter*

Richmond, VA

- Built and maintained dynamic pricing model and various reports to increase visibility of KPIs
- Achieved cost savings of >20% for the DM marketing channel by analyzing attribution and improving campaign targeting

## EDUCATION

---

### Launch School

2022 – 2023

Multi-year, mastery-based software engineering curriculum. Read more at [launchschool.com/employers](https://launchschool.com/employers) 

