Luke Powers

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🪪 PROFILE

I am a software professional motivated to use my technical knowledge and personal drive to contribute to a new team! I'm comfortable with Javascript, Python, business analysis, SQL, cloud-based architecture, system design, and generally love analytical problem-solving!

💼 PROFESSIONAL EXPERIENCE

Software Engineer (Contract), *Jagerita Holdings, LLC*   05/2024 – present
- Enhance reporting capabilities by automating data pulls and programmatically building near-realtime e-commerce reports (Rust, REST APIs)
- Design and build a scalable AWS architecture for hosting backend code to execute the full lifecycle of report generation and analysis (AWS, Lambda, Eventbridge, S3, Docker)

Software Engineer, *Snowclone (Open Source)* 🔗   01/2024 – 05/2024
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
- 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 Developer, *Freelance*   2022 – 2023
- Built and maintained front-end and full-stack applications (HTML, CSS, Node.js, Ruby, Heroku)

Capital Markets Analyst, *CapCenter*   2020 – 2022 | Richmond, VA
- Data-Driven Marketing Insights: Analyzed direct mail campaign performance by integrating and processing large datasets from multiple sources using SQL and Excel, leading to over 20% cost savings through improved targeting and attribution tracking.
- Automated Data Analysis: Utilized SQL for extracting, manipulating, and analyzing large datasets to support business operations and decision-making processes.
- Enhanced Reporting Capabilities: Designed and implemented PowerBI dashboards to provide real-time visibility into key performance indicators and operational metrics, enabling senior leadership to make informed decisions.

🧠 SKILLS

Languages
JavaScript, Ruby, 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

🎓 EDUCATION

University of Richmond, *BS Business Administration,*   2016 – 2020 | Richmond, VA
Finance Concentration, Math Minor