

Caleb Heath

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Professional Experience

- 03/2022 – 04/2023 **Software Engineer, Orum**
- AI-powered dialer and salesfloor application built with Typescript, Node, Ruby, PostgreSQL, Google Cloud, and a React-based framework (Purview)
 - Built achievements feature to gamify user experience and increase engagement
 - Strengthened app security through code and cloud infrastructure changes
 - Built out new data analytics features and increased speed 10x
 - Worked with APIs for Stripe, Salesforce, Outreach, Salesloft, and Hubspot
 - Conducted multiple investigations into product stability issues and worked with customer success team to solve urgent technical challenges impacting users
- 08/2021 – 12/2021 **Software Engineer, Co-Creator, Aria**
- Created Aria: an open-source, self-hosted canary deployment and analysis tool
 - Built with Typescript, AWS, Svelte, Prometheus, Docker, and Golang
 - Extended AWS CDK to automate deployment of canary infrastructure and quickly return environment to pre-canary state
 - Used AWS SDK to configure traffic routing between production and canary
 - Developed capability to fetch configurations for existing AWS resources
 - Automated deployment and configuration of monitoring and analysis toolstack
 - Created optimized Docker containers for canary analysis tooling
 - Created demo project that helps users learn Aria
 - Authored Aria case study: <https://aria-deploy.github.io> 📄
- 06/2019 – 07/2021 **Software Engineer, Self-employed**
- MyTrello - a Trello-like workboard app (MongoDB, Express, Node, React)
 - Todo List - a database-backed task tracker (Ruby, PostgreSQL)
 - Shopping Cart - a database-backed e-commerce app (React, MongoDB)
 - MyBin - RequestBin-like site for debugging webhooks (Express, MongoDB)
- 08/2014 – 05/2016 **High School Math Teacher, Van Buren High School**
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Skills

Backend: Node, TypeScript, Express, Ruby, Python, Golang, PostgreSQL, MongoDB, RESTful APIs

Frontend: JavaScript (ES6), jQuery, React, Svelte, HTML/CSS

Tooling: Git, Github, Linux, Docker, Google Cloud, AWS, Datadog, Prometheus, Ansible, Tailscale

Education

2019 – 2021 **Software Engineering Capstone Graduate, Launch School**

2016 – 2019 **M.S., Materials Science, University of Arkansas**

2011 – 2014 **B.S., Physics, B.A., Philosophy, University of Arkansas**