

Cody Rushing

Full stack software engineer

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Elevation (formerly Curb) Software Team Lead July 2016 - present

- Assisting in rearchitecting the Curb cloud system to support 10K+ IoT smart meter devices and 800+ daily active users. Migrating from a legacy monolith to a suite of AWS microservices utilizing Auth0 for authentication.
- Building UI dashboards for end users and administrators to monitor their fleets of IoT devices and customers utilizing React and D3. Demo available at app.energycurb.com/demo.
- Designing and implementing internal and public APIs to securely provide historical and real-time energy data utilizing mostly Node.js (ExpressJS) and Python (Flask).
- Writing automated API integration tests utilizing Jest.
- Developing a demand response system to shift peak demand through automated smart thermostat controls, including a fleet-wide management web portal utilizing Serverless, GraphQL, and Next.js.
- Designing and implementing a timeseries data API for all IoT sensor data utilizing Node.js and AWS Timestream to perform custom binning, aggregations, and interpolation.
- Writing infrastructure-as-code with AWS CDK to manage the deployment of ECS services, Lambdas, and single-page apps.
- Working closely with the product team to develop functional product specs and translating those into technical design documents for the engineering team.

GreenSync Software Engineer October 2015 - March 2016

- Maintaining a customer-facing web application providing real-time electricity metering data, including interactive data visualization with D3.
- Writing and maintaining a suite of automated browser tests.

Atlassian Web Developer November 2014 - August 2015

- Developing front-end codebase for atlassian.com and associated web properties.
- Implementing a lightweight jQuery-based component library, custom CMS extensions, and streamlined development and build workflows.

Razorfish Senior Presentation Layer Engineer April 2012 - October 2014

- Developing public-facing custom web applications and CMS-backed websites for clients such as Samsung, Southwest Airlines, BlackBerry, and others.
- Working with UI/UX team to iterate on design assets before handing off to engineering.

Skills and technologies

Node.js TypeScript React AWS D3 CSS Websockets MongoDB Next.js OpenAPI Jest Cypress
Serverless Auth0 Python GraphQL PostgreSQL SQL Three.js Docker Redis WebGL

Education

University of Texas at Austin

B.S in General Kinesiology (Biology minor) - May 2010