

# 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](http://app.energycurb.com/demo).
- Designing and implementing internal and public APIs to securely provide historical and real-time energy data utilizing mostly Node.js (Express) 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