

# Krunal Patel

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## Professional Experience

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06/2020 – present  
Remote

### Co-creator & Software Engineer

*Jade*

- Co-created Jade, an open source framework that makes it simple to deploy and maintain JAMstack applications on AWS cloud infrastructure
- Used Node.js & AWS SDK to create CLI commands that abstract away the time and complexity of provisioning AWS infrastructure(S3, CloudFront, EC2, DynamoDB)
- Implemented Nginx & a Node.js app on an EC2 to initialize the build process in response to Git webhooks, automating the CI/CD process for developers
- Implemented Docker to create isolated containers for the build environment in order to avoid dependency errors
- Worked around CloudFront invalidation limits by using a FaaS to invalidate certain files only, ensuring stale content is not served while helping developers reduce CloudFront costs
- Launched an interactive Jade dashboard using React, Node.js, and Express.js, allowing developers to easily view the status and history of their JAMstack apps
- Worked with a remote team across 3 countries, developing Jade and co-authoring a detailed case study on its architecture ( <https://jadeframework.dev/> )

2018 – 2020  
Remote

### Full Stack Web Developer

*Self-employed, part time*

- Developed open-source applications with technologies such as Node.js, Express, React/Redux, Ruby on Rails
- Project Manager: a project management app using React/Redux on the frontend with Ruby-on-Rails API and PostgreSQL database on the backend
- Airline Routes: a web app built with React that lists routes based on source/destination
- Todo: an interactive todo app built with Node.js, Handlebars.js, jQuery and an Express.js API

2016 – 2020  
San Jose, USA

### Intelligent Transportation System Engineer

*AECOM*

Designed infrastructure for massive public works projects ranging from \$100-\$200 million under strict time and budget constraints

## Skills

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### Languages & Frameworks

*Ruby, JavaScript, Python, HTML, CSS, SQL, Sinatra, Rails, React, Redux, Node.js, Express, jQuery, Jest, Minitest*

### Other

*Docker, REST API, Git/GitHub, AWS SDK, AWS CDK, HTTP, FaaS, MongoDB*

## Education

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2019 – 2020

### Software Engineering, Web Development

*Launch School*

A program utilizing mastery-based learning and a fundamentals up approach to software engineering, <https://launchschool.com/employers> ☑

2011 – 2016

### Bachelor of Science in Civil Engineering

*California Polytechnic University, Pomona - 3.8 GPA*