



# Colby M. White

Software Engineer · Technical Consultant · Engineering Leader

📍 Austin, Texas

💻 [edgebound.dev](https://edgebound.dev) [in colbywhite](https://www.linkedin.com/in/colbywhite) [colbywhite](https://github.com/colbywhite) 🌐 [Web resume](#)

## About me

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Experienced polyglot engineer and team lead with a focus in JavaScript and Java. Comfortable in multiple layers of an application's stack including front- end, back-end and DevOps development.

## Work experience

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DEC 2022 – PRESENT

### Staff Software Engineer

[Fractal Software](#) · Remote

- Fractal is a venture studio creating vertical SaaS companies.
- Worked with the portfolio's CTOs in order to coach and advise companies on effectively creating software and teams from scratch.
- Created architecture best practices that served the basis of the portfolio's startup products.
- Led workshops on architecture design, interviewing, domain modeling, and other topics relevant to early-stage startups.
- Worked with several companies to simplify processes in order to maximize velocity.

MAY 2017 – NOV 2022

### Principal Software Engineer

[Blackbaud](#) · Austin, TX

- Led team tasked with integrating legacy fundraising product with Facebook Fundraisers in increase adoption
- Created tool for customer wealth calculations that heavily leveraged Kafka for asynchronous processing
- Led front-end team for latest donation form product aimed at allowing users to customize look and feel of forms
- Prompted the formation of a company UI Guild in order to spread UI best practices among teams in multiple locations
- Led cross-team presentations to educate Austin's previously back-end teams on UI development and testing
- Led non-engineering team in efforts to modernize cross-product strategies for help content
- Served as engineering contact with external departments for the presentation and deployment of help content

MAY 2016 – MAY 2017

## Contract Senior Software Engineer

### Independent Contractor

- Completed work for different companies: Whole Foods (Austin), Nike (Portland) and Xferall (Austin)
- Worked on different types of projects, including front-end, back-end and DevOps tasks
- Used common Java frameworks (Spring, Guice, JAX-RS) in order to quickly build web-based microservices
- Maintained a ReactJS-based web application while prototyping a React Native mobile app

SEP 2015 – MAY 2016

## Senior Software Engineer

**Spanning Cloud Apps** · Austin, TX

- Contributed features as a senior member of the development team for company's Google Apps Backup product
- Created Chef recipes to help enforce consistency between the team's multiple environments, including local developer-focused Vagrant machines and production stacks
- Diagnosed and corrected front-end performance issues in order to scale SaaS application for large, enterprise customers

MAR 2014 – SEP 2015

## Software Developer

**CA Technologies** · Austin, TX

- Developed infrastructure and libraries for browser-based Selenium testing of a SaaS application
- Coordinated REST-driven interaction between dynamically scaled microservices of different languages (Java and JavaScript)
- Created Vagrant-based environments to encapsulate dependencies and encourage rapid, iterative development
- Built several custom Gradle and Rake plugins to put project's deployment procedures into code

NOV 2010 – MAR 2014

## Software Developer

[Allure Energy, Inc.](#) · Austin, TX

- Built RESTful APIs to facilitate communication between multiple types of devices in order to sync several types of data
- Used OSGI platform for deployment of Java software to allow for dynamic removal and inclusion of different modules
- Created XMPP messaging schemas to facilitate communication between thermostat and mobile devices
- Implemented user interface designs via Qt on an embedded device
- Developed in-house admin application leveraging the Django framework

## Education

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2010 – 2012

### Computer Science · Bachelor of Science (BS)

[The University of Texas at Austin](#)

2006 – 2010

### Journalism · Bachelor of Arts (BA)

[The University of Texas at Austin](#)

## Skills

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### Front-end

JavaScript, TypeScript, HTML, CSS, Angular, 11ty, Jasmine, Redwood, Next.js, 11ty, Gatsby, Prisma

### Back-end

Java, Spring, Gradle, Ruby, Ruby on Rails, rspec, Rake, Python, Django, Node.js

### DevOps

AWS, Azure DevOps, Docker, Netlify, Vercel, Render, JamStack, CI/CD, Jenkins, TravisCI

### Project Management

SCRUM, Lean Startup

# Projects

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## [edgebound.dev](#)

A blog to chronicle thoughts and brainstorm around edge technologies and Jamstack concepts.

## [Harris County Booking Data Gathering](#)

An Open Austin serverless project that accumulates the booking information published in Harris County's daily JIMS 1058 reports into a search-friendly format. The intent is to aide non-profit organizations looking to do data research across time spans greater than a day.

## [aws-cf-monitor](#)

A wrapper around the AWS CloudFormation Node.js API that monitors the progress of the CloudFormation commands while providing smart logging. The intent is to remove a lot of boiler-plate code to poll the progress of a stack.