

# Max Hawkins

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## Summary

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I'm a software engineer with experience developing fast, scalable cloud applications. I recently built Bento, a video transcoding pipeline built on Amazon Web Services. Prior to this, I was an early employee at Facebook, leading strategy and execution execution around release testing, QA, and user sentiment.

## Experience

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2020 – present

### Gatsby

*Staff Software Engineer, Customer Success*

- Led first-touch triage of customer-reported Gatsby Cloud issues and fixed outstanding bugs
- Performed code audits of Gatsby Cloud customer sites to reduce build time, JS bundle size, and time-to-interact
- Designed and implemented Gatsby Cloud knowledge base

2020 – present

### Bento

*Co-creator, Software Engineer*

- Co-created Bento, an open source, serverless video transcoding pipeline that is deployed to Amazon Web Services
- Implemented a massively parallel approach to transcoding video files using Node.js, AWS Lambda, and Amazon DynamoDB
- Reduced multi-hour transcoding jobs down to minutes by leveraging the scale and concurrency of function-as-a-service architecture
- Resolved timing and concurrency challenges in an event-driven architecture
- Sidestepped AWS Lambda storage limitations by implementing an in-memory, byte streaming approach to video file processing
- Designed and authored a responsive UI dashboard built with React.js, Express, and Bootstrap
- Co-authored Bento case study: <https://bento-video.github.io>

2018 – 2020

### Self-employed

*Full Stack Web Developer*

- Developed open-source software with technologies such as React, Rails, Express, Node.js, Ruby, PostgreSQL, Docker, HTML, and CSS
- Reaction - A project manager inspired by Trello, built in React and Rails that supports creating, editing, and deleting boards, lists, and cards
- Form Check - A weightlifting web app built with Ruby and Sinatra allowing users to create custom workout routines and attach related form videos via the YouTube API

2007 – 2014

### Facebook

*Product Operations, Manager*

- Led organizational strategy and execution for QA and user sentiment analysis
- Drove prioritization and resolution of long-standing infrastructure bugs via engineering-wide technical quality initiatives
- Integrated user sentiment analysis into product development and launch cycles
- Implemented global testing coverage and incident response for daily web releases

## Education

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2003 – 2007

### Stanford University

*BA with Honors, Psychology; GPA 3.97*

## Skills

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### Languages and frameworks

JavaScript (ES6), React, Redux, Handlebars.js, jQuery, Node.js, Ruby, Express, Ruby on Rails, Sinatra, PostgreSQL, MongoDB

### Cloud

AWS Lambda, Amazon DynamoDB, Amazon EC2, Amazon S3, AWS CloudFormation, Docker

### Web

HTTP, REST, APIs, Git / Github, MVC, Event-Driven Architecture, Function as a Service, HTML, CSS