
EXPERIENCE

Co-Creator, Software Engineer	Dendro	February 2021 - Present
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- Collaborated remotely to architect, design, and implement the core pipeline able to extract, transform, and load (ETL) data in near-real-time at scale.
- Led implementation and deployment of the serverless AWS services, such as IAM, Kinesis Data Firehose, S3, Lambda, and Timestream, which are used in the cloud pipeline.
- Transformed gathered metrics using time-series analysis and visualized them using charts.
- Implemented the deploy and list CLI commands that automates over 40 API calls and uses automatic retries with exponential backoff.
- Migrated code from Javascript to Typescript.
- Authored the case-study available at <https://getdendro.com/case-study>.

Co-Creator, Software Engineer	BridgeAPI	August 2020 – January 2021
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- Designed and implemented core functionality & database of the serverless RESTful API integration platform.
- Created lo-fi & hi-fi mockups to facilitate planning and implementation of user interface & frontend.
- Implemented frontend using React with Next.js.
- Created unit tests using RSpec and achieved near maximum code coverage.

Software Engineer	RB Implementations LLC	May 2020 – August 2020
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- Implemented and delivered a dynamic PDF report using Puppeteer for the results of the patient's SARS-CoV-2 serology test.
- Provided logic/mapping/rendering able to handle five possible test results calculated from, and displaying, dozens of analytes.

Software Engineer	Self-Employed	July 2017 - May 2020
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- Launched an eCommerce platform allowing merchants to create a personal store and provided an interface for Stripe's onboarding process for payments (React/Redux, Express, Stripe & Paypal API, PostgreSQL, Amazon Web Services, Heroku).
- Jello - Trello-like collaboration app (MongoDB, Node.js/Express, React/Redux).

EDUCATION

Las Cruces, NM	New Mexico State University	Fall 2014 – May 2015
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- Attended the Conroy Honors College.
- Studied Java fundamentals.
- Invited and accepted into the National Society Of Collegiate Scholars.
- Phi Eta Sigma candidate, the oldest freshman honor society in the country.

Languages and Technologies

- **Languages** - Ruby, Typescript, Node.js, SQL, HTML, CSS, Golang
- **Frameworks** - Ruby on Rails, Express.js, React.js, Redux, Bootstrap, Next.js, Handlebars, jQuery, Sinatra, Erb
- **Cloud** - Amazon Web Services (EC2, IAM, Kinesis Data Firehose, S3, Lambda, Lambda@Edge, Timestream, CloudWatch, SNS, SDK), Heroku
- **Technologies** - RESTful APIs, OOP, Functional Programming, Distributed Systems, MVC, Git/GitHub, HTTP, JSON Web Token, PostgreSQL, NoSQL, MongoDB, Redis, Sidekiq, Linux