

# VICTOR RAGOJOS

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## Technical Skills

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- Go, Javascript, Typescript, Node, Swift, PHP, Lua, Java
- React.js, Solid.js, Next.js, GraphQL, Vite, Webpack, MySQL, Postgres, MongoDB, Redis, Git, OpenTelemetry, Docker, Terraform

## Professional Experience

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### Offset Partners

Product Engineer – Product Team

Napa, CA

Dec 2020 – Present

- Led development team in creating a low code solution allowing our clients to easily integrate our Cart and CMS service into their existing site
- Refactored legacy PHP MVC framework to improve integration with React which decreased the number of duplicate and brittle code by up to 60%
- Rewrote and implemented frontend build tools to products cutting down compilation times by up to 200% and improved security by revealing known vulnerabilities to frontend dependencies
- Worked closely with my Project Manager and CTO to grow our development team
  - Implemented Docker into our code to decrease the amount of variability between environments and simplify local development setup
  - Introduced a proper Version Control workflow with GitHub cutting down production bugs by 80%

### Offset Partners

Junior Software Developer – Client Team

Napa, CA

Jul 2019 – Dec 2020

- Managed e-commerce platform by squashing bugs and addressing client requests
- Prototyped internal tools such as a centralized Identity Provider, GraphQL wrapper for our Cart service, and a real-time client issue tracker
- Collaborated closely with designers to build unique features for Client websites

### Napa Valley College

Computer Science Tutor

Napa, CA

Aug 2018 – May 2019

- Helped classmates with various studying techniques for exams, projects, and assignments
- Presented different ways to visualize, understand, and enjoy complex programming topics
- Collaborated with professors to address teaching and assignment issues

## Projects

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### Puzzlely <https://puzzlely.io/>

Typescript, React.js, Next.js, Go, OAuth2, MySQL, OpenTelemetry, Docker, Terraform

- A puzzle game that was inspired by the BBC's "Only Connect" game show
- Auth was achieved with a modified OAuth2 flow allowing users to login using trusted identity providers such as Google
- Servers, Load Balancers, and Certificates were provisioned with Terraform using Cloudflare, DigitalOcean, and Vercel providers
- OpenTelemetry along with honeycomb.io monitors the backend services
- GitHub Actions and Docker were used for the CI/CD pipeline minimizing downtime for updates and hotfixes

## **Spoonfed** <https://spoonfed.dev/>

React.js, Next.js, Node, GraphQL, OAuth2, OIDC, Redis, MongoDB, AWS S3

- A full stack application that allows users to create, import, and share their favorite recipes. Users can also create "Creations" that show off their attempts at following other user generated recipes
- React.js with Next.js and Apollo's GraphQL client is used in the frontend. Node.js with Apollo's GraphQL server, MongoDB, and AWS S3 is used for the backend
- A separate server which utilizes the OpenID Connect protocol on top of OAuth2 handles authentication and authorization to the API server. This simplifies the API server by restricting its responsibilities and allowing it to focus solely on responding to frontend client requests

## **Identity Provider** <https://auth.ragofjoes.dev/>

Node, OAuth2, OIDC, MongoDB, Redis

- A simple identity provider that is built on top of the OIDC protocol for authentication. Users can manage their profile and active sessions

## **Octree Palette** <https://github.com/RagOfJoes/OctreePalette/>

Swift 5.0

- An iOS library that extracts the ColorTheme from an image. It uses the Octree Color Quantization Algorithm to build the image's distinct color palette