VICTOR **RAGOJOS**
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Technical Skills

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

Professional Experience

Offset Partners
Napa, CA
Product Engineer – Product Team
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
Napa, CA
Junior Software Developer – Client Team
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
Napa, CA
Computer Science Tutor
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

Puzzlely https://puzzlely.io/
Typescript, React.js, Next.js, Go, OAuth2, MySQL. Docker, Terraform
- A puzzle game that was inspired by the BBC's "Only Connect" game show. Users create a puzzle with 16 words where each group of 4 words have some connection between them. Players attempt to link each group together and guess each connection
- Full stack application that uses React.js with Next.js and Typescript for the frontend. Go, MySQL, and Docker powers the backend
- 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 DigitalOcean's provider
- 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