

Andy Garcia

EDMONDS, WA
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WEBSITE: ANDYS-CODEX.COM

SKILLS

ReactJS, Apollo GraphQL, .NET Core, NodeJS, Typescript, SQL, NoSQL, Mongo, AWS, Azure, Kubernetes, System Architecture, Agile, Javascript, C#, Storybook, Jest, React Native, React Testing Library, Cypress, Mentoring, Event Sourcing

EXPERIENCE

Prescriptive Health, Redmond, WA (remote/on-site hybrid)

(November 2020 – October 2023)

Principal Software Engineer

- Designed Prescriptive's federated schema using Apollo GraphQL with NodeJS and architected the four subgraphs and resolvers while leading a team of 5 engineers to develop the design, improving API performance by more than 2x
- Led a team of 7 engineers to develop a full-stack application that allows providers to submit health records for their patients using React Native, React Web, .NET, MongoDB, and various Azure resources
- Standardized tooling across 4 Prescriptive applications, such as design standards (Material UI) and localization (i18n)
- Architected a Pharmacy Management System full stack application using React, GraphQL, Node, .NET, and Mongo
- Implemented Azure DevOps pipelines for build, test, and deploy to 3 different environments in Kubernetes

Pariveda Solutions, Seattle, WA

(July 2017 – Nov 2020)

Technical Lead | Client – T-Mobile

(Jan 2020 – Nov 2020)

- Implemented a single-page application that replaced a legacy web page, increasing performance by more than 10x
- Helped save the client over \$1.4 million by planning and executing a migration of 70 microservices from BitBucket and Jenkins over to GitLab using their CICD dev ops tools
- Architected a system for more than four teams to query a single point-in-time snapshot of data for multiple microservices
- Analyzed and deeply investigated performance bottlenecks on a legacy web application, helping to create a roadmap for feasible quick-win features and a plan to bring the redesigned web interface to production by more than 10x

Software Developer Engineer II | Client - Expedia

(June 2019 – Nov 2019)

- Developed and maintained a full-stack Spring Boot application for onboarding new properties into Expedia
- Researched and created a serverless GraphQL service with subscriptions using AWS AppSync and a React application
- Planned and oversaw a migration of 6 microservices in a single AWS account into multiple AWS accounts to increase the security of production data and decrease cost analysis complexity

Software Developer Engineer II | Client - Boise Cascade

(July 2017 – June 2019)

- Decreased front-end monolithic coupling by introducing React/Redux to a .NET application hosted on a remote CDN
- Improved operational excellence by architecting serverless NodeJS microservices using AWS Lambda and DynamoDB
- Increased maintainability by automating infrastructure updates and deployments using AWS CloudFormation

Wisedoc Inc, Seattle, WA (Startup – wisedoc.net)

(November 2018 – July 2019)

CTO | Project Manager | Software Engineer

- Designed and scoped a minimum viable product for the initial launch of a web application
- Architected and developed a full-stack serverless application using React, AWS Amplify, and Serverless
- Planned and implemented a roadmap of features 3-6 months out using agile methodologies

EDUCATION

- Oregon State University (Graduated 2017) – Bachelor of Science: Computer Science
- Oregon State University (Graduated 2017) – Bachelor of Science: Electrical and Computer Engineering
- Certified AWS Solutions Architect Associate (March 2018)
- Certified AWS Developer Associate (September 2018)

PERSONAL PROJECTS

- Andys Codex (2023) - The website of my resume showcasing my experience and projects (<https://andys-codex.com>)
- Pokemon Go Plus on ESP32 (2022) - Custom version of the Pokemon Go Plus running on an ESP32
- Marshmallow (2020) - Opportunity cost calculator while in financial debt (<https://tinyurl.com/andywgarcia>)
- TapWars (2020) – Mobile Game designed for an in-person single-device multiplayer experience (React Native, Expo)
- Disneyland Table Notifier (2019) – AWS Lambda notifier for automatic text notifications of an open dinner table
- Personal Cat Website (2019) – How to care for my cat using React, Gatsby, and AWS Amplify (ifedmypet.com)
- Personal Pet Website (2017) – Information about my pets used as an Angular 5 and Firebase playground
- Underwater Semi-Autonomous Robot (2017) – Firmware (C), UI (Python), BT communications protocol (C)
- Remote Controlled Mounted Potato Gun (2017) – Firmware (C), UI (Python), communication via NES controller