Arjun Rasodha

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PROFILE

I am a software engineer with full-stack experience building cloud applications. Most recently, I co-created Kuri, an open-source Dead-Letter Queue-as-a-Service for distributed applications deployed on an AWS infrastructure. I love working in a team environment and have a passion for learning new technologies. My objective is to join a company where I can learn from experienced engineers and continue to grow into a valuable asset for the company.

EXPERIENCE

Software Engineer   10/2022 – 02/2023
Clutch Technologies Inc 🔗
Clutch is Canada's largest online used car retailer, delivering a seamless, hassle-free car buying and financing experience to drivers everywhere.
- Worked as part of a team and individually to design, implement and deliver full stack software solutions to meet product teams feature requests
- Delivered clean, readable and well tested code with a high degree of reliability
- Identified and resolved performance and scalability issues
- Contributed to architecture and design discussions
- Displayed a strong sense of ownership with a sense of urgency
- Primarily focused on building client and admin facing finance application with React interface and Node API server
- Used agile methodology

Co-Creator, Software Engineer   04/2022 – 10/2022
Kuri (www.kuri-dlq.github.io 🔗)
    Kuri is an open-source, easy-to-configure, Dead-Letter Queue-as-a-Service for applications that use a microservices architecture on an AWS infrastructure.
- Designed a scalable, easy-to-develop, event-driven architecture composed of a backend API service, React admin dashboard and AWS infrastructure
- Prototyped an alternative infrastructure design with AWS Cloud Development Kit and alternative CLI with Oclif
- Built a dead-letter queue pipeline for AWS's Simple Queue Service queue that provides developers the ability to view, edit, delete and redrive dead-letter messages
- Developed a custom Command Line Interface packaged into a NPM package for developers to install, configure and deploy with minimal effort using Commander.js and Inquirer.js libraries
- Automated cloud deployment to create and configure 17 AWS resources and policies using their Software Development Kit (SQS, Lambdas, S3, SNS, IAM, DynamoDB)
- Implemented a REST API with Node.js and the Express framework to interact with DynamoDB
- Built a React client side dashboard for the user interface that consumes the backend API
- Utilized Git and GitHub for version control and team collaboration
- Authored technical case study 🔗 and video presentation on design & engineering decisions made

Software Engineer   01/2021 – 04/2022
Self Employed
Developed open source software, some highlighted projects include:
- **Jello**: full-stack project management app using React/Redux, Node.js/Express, RESTful API, MongoDB, and more
- **Airlines Routes:** airline routes application that displays information on routes flown by major airlines using React and flat mapping to render over 1,700 SVG elements efficiently
- **ToDo List:** An interactive todo list manager created using vanilla client-side JavaScript, Handlebars and MVC model
- **Request Bucket:** a tool to debug webhooks using Node.js/Express, WebSockets, React, PostgreSQL and MongoDB
- **Shopping Cart:** a full-stack application using React/Redux, REST API, MongoDB and more
- **Contact Manager**: a contact manager single page application using client-side vanilla JavaScript, MVC model, Handlebars and jQuery

SKILLS

Languages
JavaScript, TypeScript, Go, SQL HTML/CSS, Python

Frameworks
React, Redux, Node.js, Express, Jest, Handlebars

Technologies
PostgreSQL, MongoDB, Docker, Webhooks, Git/Github, Nginx, HTTP, OOP, REST API, Linux, DOM, Elasticsearch, Terraform, Sequelize ORM

Cloud
AWS (SQS, SNS, Lambdas, IAM, S3, DynamoDB, EC2, VPC), DigitalOcean Droplet, Heroku

EDUCATION

Software Engineering   2020 – 2022
Launch School (Core Curriculum & Capstone) 🔗
- Multi-year, mastery-based software engineering curriculum, with progression gated by written exams and live coding interviews to develop problem-solving skills. Read more at **https://launchschool.com/employers** 🔗

BASc. Justice Studies and Community Services   2016 – 2020
University of Guelph-Humber
- Dual-credit program earning a degree in Justice Studies and diploma in Community and Justice Services
- Graduated with honours