DEV PATEL

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SOFTWARE SKILLS

JavaScript - 6 yrs	Node.js - 6 yrs	DynamoDB + MongoDB - 3 yrs	Elasticsearch - 4 yrs
React/Redux - 6 yrs	(No)SQL - 6 yrs	Okta and Auth0 - 4 yrs	PostgreSQL - 6 yrs
Flask/Django - 3 yrs	Python - 4 yrs	React Native - 4 yrs	TDD/BDD - 6 yrs

AWS + DEVOPS SKILLS

Terraform - 2 yrs	Kubernetes - 2 yrs	ECS/EKS/Fargate - 6 yrs	CI/CD - 6 yrs
CircleCI - 4 yrs	Diagrams - 4 yrs	Textract - 3 yrs	Lambda - 2 yrs
RDS - 4 yrs	Git - 6 yrs	OpenSearch - 4 yrs	Docker - 6 yrs

EMPLOYMENT

DevOps Architect – Moody's Analytics   **06/2022 – 09/2022**

- Downsized AWS resources to reduce AWS bills by $40K.

- Moved ⅔ of all resources from one AWS account to another using terraform and IAM.

- For extra security, I used temporary AWS credentials and roles instead of users within AWS IAM.

- Implemented, took suggestions, and became the main point of contact for the AWS Well-Architected Review by AWS Solutions Architects from Amazon.

Senior Software Engineer – Moody's Analytics   **06/2018 – 06/2022**

- Saved the company $200K on having to use Enterprise Google Maps by building a search and autocomplete API on only commercial real estate properties (no residential properties). Multiple teams/projects in Moody's use this API to search commercial real estate properties.

- Performed the task of breaking down a monolithic app into microservices. Changed our team's focus to first think with a microservice mindset when starting new projects.

- Set up all our AWS environments for my team and other teams for development, staging, and production websites (4 each using ECS and AWS Fargate) with auto scaling.

- Utilized Amazon Textract and Elasticsearch to read table data from pdfs, extract the tenant and property data, index into elasticsearch, search properties and tenants, and display aggregation metrics such as average rent per tenant, total rent for property, etc.

- Communicated with multiple departments at Moody's to get production websites running. For example, the Inforisk team creates all resources which should be in their public subnets in their VPC and connects to all our resources which are in private subnets in our VPC through network load balancers and VPC endpoint creation. Adding ssl certificates to the main Application Load Balancer in their VPC required further communication with other teams.

Backend Software Engineer at Cloudcade, Inc.   **11/2017 – 06/2018**

- Lead 2 junior engineers in customer service tools project and built from scratch with AWS Fargate, Nodejs, React, DynamoDB. Used my own system architecture and design from start.

- Communicated with the QA team to implement an AI player that uses a decision tree to make moves based on best game strategy and mana, health, and damage, which lead to creating an easy, medium, and hard AI player where no one in the company could beat the hard AI.

- Implemented daily player quests and rewards, player leveling, event-driven game programming, and 1-on-1 gameplay in a game similar to Hearthstone (Activision Blizzard game) with Node.js and MongoDB.

PROJECTS

CryptoMe   [Demo Link](#)   [Github Link](#)   **05/2017 - present**

- Lead a team of 4 engineers and 1 business development expert
- Created a Node.js and EKS Fargate app to allow fast, low fee, cryptocurrency payments between users where crypto price does not change in transit.
- Partnered with Changelly to allow fast currency conversion and profit sharing on fees
- Made cryptocurrency swapping between 200+ cryptos as easy as a button click with

- No metamask/walletconnect requirement, slippage, or impermanent loss.

- No need to be on a specific blockchain network for swapping.

- No need for user input of complex cryptocurrency addresses, improving UX and reducing the effects of human error such as losing all your money due to input of wrong crypto address.

Modern DevOps   [Github Link](#)   **04/2023 - present**

- I made this repo to show my competency in DevOps. Terraform, CI-CD, Docker, Fargate AWS ECS, Ansible, and Datadog are some of the services being used. This app will continue to be in progress to use the latest DevOps technologies.

- Makes an entire simple and secure AWS ECS setup based on a developer providing the ECR image they want to set up in a containerized Fargate Serverless environment.

- CI/CD implemented using Github Actions and local setup of app done with Docker Compose.

EDUCATION

Vanderbilt University - Attended with Mathematics Major - 3.332 GPA (2009 – 2011)
Smt. N.H.L. Municipal Medical College – Anatomy, Physiology, and Biochemistry - 4.0 GPA (2012-2014)
East Tennessee State University – B.S. Degree with Biology major/Chemistry minor - 3.48 GPA (2015 – 2016)

STANDARDIZED TESTS

GRE Math: 166 / 170
SAT Math: 760 / 800