Evan de Jesus

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Education

Wayne State University   Detroit, MI
BS Computer Science   *Dec 2020*
GPA: 3.62

Certifications

- Kubernetes Application Developer *CKAD-2000-003288-0100*
- AWS Solutions Architect – Associate *SAA-C02*

Experience

Chess.com   Fully Remote
Cloud Engineer   *July 2021 – Present*

- Building a highly available, high traffic, multi-region Kubernetes environment with a modern observability stack for mircoservice architecture
- Securing cloud environment using a multi-cluster Vault deployment for authentication and secret management
- Deployed an on-prem Kubernetes cluster to integrate a bare-metal datacenter with our cloud environment
- Led the adoption of Terraform remote deployment of all cloud infrastructure with Atlantis

24G   Troy, MI
Devops Engineer   *May 2019 – June 2021*

- Designed and maintained container-based marketing applications using microservice architecture in AWS using Lambda and Kubernetes
- Led the cloud team in adopting Infrastructure as Code with Terraform
- Implemented high-standard cloud security practices in preparation for SOC 2 compliance
- Designed and maintained CI/CD pipelines using custom pipeline container environments

24G   Troy, MI
Software Engineer Intern   *Jan – May 2019*

- Developed web-based marketing applications and onsite conference installations using Node.js and Vue.js
- Made interactive demos for high profile tech conferences promoting Fortune 500 companies
- Created the *Bookmobile* cloud-native office library with facial recognition and QR code based IoT support

Projects

Chess.com Insights – Distributed processing platform for generating user analytics based on game history

- Architected system including compute and load balancing resources which scaled up to 500K CPUs across a dozen regions in Google Cloud Platform
- Managed 100% of stack with Infrastructure as Code using Terraform

VXP (Virtual Experience Platform) – Web-based events platform with live event capabilities including keynotes, breakout sessions, and content libraries

- Microservice based architecture including Kubernetes API, Vue.js frontend, SQS queues, MySQL cluster, AWS Lambda cronjob, and Redis cache
- Created full featured Terraform stack for rapid environment standup and teardown with custom modules for each microservice

vet.lhei.org – Web application for mapping, organizing, and visualizing information about releases of toxins into the air, land, and water across the United States

- Combined facility toxic release data from the EPA with chemical information from the PubChem database
- Used Django API and React.js frontend with Google Maps library to dynamically graph chemical data across the country

#general_simulator – Machine learning project simulating company's main Slack channel

- Used the trained language model GPT-2 (117M) to auto-generate samples of our company's daily interactions
- Created daily sample hosted on GKE and stored using S3 for the company's enjoyment

Skills & Software

- JavaScript, Node.js, Golang, Bash, Python, Vue, React, C/C++, Git
- AWS, GCP, Terraform, Docker, Vault, Kubernetes, Helm, Datadog, CI/CD, GitOps
- MySQL, DynamoDB, Redis, Prometheus, Elasticsearch

Activities

Rock Climbing • Snowboarding • Chess • Music