JOSEPH CASEY

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TECHNICAL SKILLS

Programming Languages: Python, JavaScript, TypeScript, Java, Go
Frameworks & Databases: Kubernetes, Helm, React, PostgreSQL, DynamoDB (NoSQL)
Platforms & Tooling: AWS, Git, Agile, Postman, New Relic, Splunk, Datadog, Jenkins, ArgoCD, Prefect, NiFI, Airflow

CAREER EXPERIENCE

Senior Software Engineer @ Capital One   New York, NY 02/2020 - Present

Machine Learning Platform
- Tech Lead for team of 16 platform SRE and MLOps
- Design migration strategy from KTHW to Kubernetes Operations (kOps)
- Build application deployment standards with ArgoCD
- Lead white glove monitoring migration from ELK to Splunk and Datadog to New Relic
- Go: Kubernetes Operator to handle Node Rehydration
- Author Terraform and Ansible Playbooks for AWS Cloud Infrastructure Management
- Maintain Managed Internal Development Platform: Argo, Airflow, Prefect, Jenkins, NiFi
- Manage organization and quality of internal and customer documentation spaces
- Build Slack Chatbot for customer support with NLP capabilties using AWS Lex

Software Engineer @ Capital One   Richmond, VA 09/2018 – 02/2020

Capital One Credit Card Applications (applynow.capitalone.com)
- Tech Lead for 4 engineers responsible for product features
- Acting Manager handling the reviews and hiring process for 6 engineers
- Partner with product and external team to manage team's technology road map
- Design, build, test, ship, and support features using a modern web stack, including technologies like React, Redux, Webpack
- Redesign monolithic stateful web server architecture into serverless AWS microservices to support multi-variate credit card application functionalities
- Create OCR enabled API for validating customer uploaded business documents

Software Engineer @ LocusLabs   San Francisco, CA – 07/2015 – 08/2018

Maps Online CMS (maps.heathrow.com)
- Mentor and onboard college graduates to support product
- Create large scale distributed system for reading geohashed map data using API load balancing, Redis caching, CDN for accelerated object storage reads

JavaScript SDK
- Design device intelligent websocket message queue for rendering map data in real-time
- Create wayfinder algorithm leveraging Bluetooth, GPS, and iBeacons

Android Java SDK
- Design unit testing, client test library, and physical device fleet for integration tests
- Develop SDK interface and facade pattern to handle transition from Airports to Venues

Enterprise Rest API
- Customer support creating custom API clients with unique throttle and burst limits
- Create and document API Swagger Schemas

Web Developer @ Nexstar Broadcasting Group   Little Rock, AR 02/2014 – 07/2015

InergizeCMS (kark.com)
- Use ASP.Net with AngularJS to create CMS Widgets for journalists and new anchors
- Provide CMS custom support for onboarding small business customers creating microsites

Web Assistant @ Amaratech   Remote – 08/2011 – 09/2013

Amaratech (amaratech.com)
- Performed statical data analysis on competitors and customer leads
- Managed company WordPress, Mail Chimp, Google Analytics, and Google Adwords
- Act as representative at event conferences and customer sales meetings

EDUCATION

AWS Solutions Architect Associate	01/2022
AWS Developer Associate	01/2022
AWS SysOps Associate	01/2022
University of Memphis	04/2013
George Town University	01/2010

RELATED

Scratch Program Leader @ Capital One Coders   Richmond, VA – 03/2019 - 02/2020

Day of Coding
- Teach students from local middle schools time management and project planning
- Act as event host for hackathon handling presentations and event management

Games with Scratch
- Teach students from local K-12 schools the fundamental programming concepts
- Pair program using Scratch to build video games