EMRE OZKAN

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WORK EXPERIENCE

Oracle Cloud Infrastructure   September 2022 - Present
Software Engineer

· Developed and maintained application and infrastructure for Oracle Cloud's subscription service with technologies such as Java, Python, Terraform, and Bash
· Designed and built the Order Management Integration that on-boarded 300+ customers to Oracle Cloud's Alloy platform
· Created the API layer between Oracle Cloud Subscriptions service (OCS) and Oracle Integration Cloud (OIC) allowing real-time updates to customers on order and subscription statuses and reducing customer subscription data synchronization from 1 hour to 30 seconds.
· Migrated the Subscription Mapping service from a monolith architecture to a containerized Kubernetes micro-service (OKE), increasing availability to 99.9999% (∼36 seconds of downtime per year) utilizing Kubernetes auto-scaling and self-healing capabilities

Viasat   July 2020 - September 2022
Software Engineer

· Developed python scripts and workflows in Stackstorm that integrated with Jira, automating incident ticket creation and reducing SLA breaches
· Built Jenkins pipelines to automate both infrastructure and application deployment and integration processes (CI/CD)
· Researched and optimized an LSTM model used for anomaly detection within network logs; reducing overall training time by 30% and improving model accuracy to 96%
· Served as scrum master facilitating agile methodology, stand ups, sprint planning, backlog management

Teradata   June 2019 - August 2019
Software Engineer Intern

· Developed and launched a Kubernetes cluster monitoring application used to provide performance metrics and identify bottlenecks within internal team Kubernetes clusters with alarms

Intel Corporation   June 2017 - December 2017
Software Engineer Intern

· Worked on 4G LTE verification; developed simulation and performance tests to evaluate wireless network protocols and performance of Intel modem chips with various network service providers

EDUCATION

San Diego State University   *August 2016 - May 2020*
B.S, Computer Science

SKILLS

Programming Languages	Java, Python, C#, C/C++
Concepts & Tools	Ansible, AWS, Bash, Data Structures/Algorithms, Docker, Helm Distributed Systems, Jenkins, Kubernetes, Maven, Oracle Cloud (IaaS/PaaS/SaaS), Oracle Database, SQL, Tensorflow, Terraform