Hojin Nam

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SKILL

PROFICIENT: **Python, MySQL, Git** | FAMILIAR: Django, Docker**,** Java, Spring, Gradle, C#, .NET, JavaScript, Node.js, React, VMware | AWS: **AWS certificate**, ECR, ECS, EB, Lambda, S3, RDS(Postgres), DynamoDB

RELEVANT PROJECT

Polls web app
- Implement a public website that shows polls and allows users to vote, an admin website that provides the editing functions for the polls constructed with Django Framework and SQLite
- Create the automated testing separating TestClass for each model or view and test method for specific conditions
- Package the polls app with PyPI and setuptools that allows the app to be installable for the reusability
- Dockerize/publish image to AWS Elastic Container Registry, deploy to AWS Elastic Beanstalk

Covid Case Tracker
- Implement a covid case tracker that pulls the number of new cases all over the world every day from CDC website
- Run .py code on AWS Lambda which draws the plotted trend graph and stored image file and data in AWS S3
- Set AWS Cloudwatch once the numbers increase significantly for a certain country

Microservices With Spring Cloud Netflix
- Create Spring Boot applications for a service registry called Eureka server and two web services
- Program JPA based repositories, web controller, and RestTemplate that allows each service to communicate with their hostname and enables load-balancing using Ribbon

CUDA programming with shared memory
- Optimize the use of memory between threads on parallel computing to maximize the bandwidth. It avoids redundant transfers by loading and storing data in a coalesced pattern to shared memory from global memory.

Blog website
- Build views and an edit function with React.js and role-based authorization using session cookies
- Coordinate with team members to complete the project in time and utilize Express of node.js

EXPERIENCE

GSCMS Inc, Seoul, South Korea   **Software Engineer**   **Feb 2017 - Dec 2018**
- Launch **task automation(C#, .NET)** with team members on Windows server. The service reduced the time for the laborious task in the accounting department, which manually fetched bank statements of various online banking services, **from a few hours to a second, and released them to production**
- Engineer the **test automation environment** in various Operating Systems (OS) on **VMware** for operational acceptance and regression testing in an exploratory approach. The corner, critical, and custom cases by analyzing error logs and defects from the beta users are considered. It **cut off the error rate from 5% to 0.0001%[errors/total]**
- Write/review/debug new UIs, modify legacy functions and query statements for Oracle SQL, and collaborate with partner teams for the integration. Documented the creation and modification of development and maintenance
- Work in an Agile environment for software development, experience in planning and working in sprints

EDUCATION

Cal State University East-bay, Hayward, CA	**M.S. in Computer Science**	Jan 2019 - May 2021
Samsung Multicampus, Seoul, South Korea	[NCS] Android Developer Course	May 2016 - Nov 2016
Sejong University, Seoul, South Korea	B.S in Electrical Engineering	Mar 2009 - Aug 2015