TOBIN DEKORNE
Software Engineer

DETAILS

San Diego, CA

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Tobindekorne.com

LANGUAGES

JavaScript

Python

PHP

HTML

CSS

ABOUT ME

I thrive on crafting solutions that inspire pivotal shifts in understanding, fostering innovative thinking and new possibilities. My experience has allowed me to work on many cloud-based solutions for a fortune 500 financial corporation.

EXPERIENCE

Software Development Engineer - Sr. Professional II, Fiserv Inc *May 2022 – Present*
➢ Deconstructed the company's database and successfully implemented a robust PII removal system which ensured compliance with data retention laws such as CCPA in the U.S. and GDPR overseas. Effectively protected sensitive user information and ensured adherence to legal standards.
➢ Architected several microservices using AWS Lambda, Python, Powertools, and CDK, including services allowing user management of analytics tags and enabling users to configure their risk assessment process driven by API Gateway.
➢ Revamped the custom image processing system for gift cards allowing users to upload, crop and layer their own custom images onto merchant designed card backgrounds to prepare them for printing and shipping.
➢ Provided mentorship to fellow engineers, delivering training on diverse AWS services, project structuring, and architectural best practices.

Full Stack Web Developer, Ezoic Inc *June 2021 – January 2022*
➢ Built a scraper with Golang and AWS Lambda allowing clients to enter a URL. After scraping content from the URL, the script built a slideshow using royalty free images to advertise their site.
➢ Optimized the Git commit process by implementing Git pre-commit hooks, unit testing, and checks on dependency files resulting in an improved and streamlined commit workflow.

Application Engineer, Fiserv Inc *October 2018 – June 2021*
➢ Developed a custom reporting feature utilizing AWS Lambda and S3 to connect to an API and perform result polling through a webhook, resulting in improved data analysis and reporting capabilities.
➢ Engineered a powerful mapping engine leveraging AWS DynamoDB, S3, and Lambda. Empowered clients to efficiently create and manage mapping rules for shipping, optimizing processes based on product SKUs.
➢ Implemented AWS CDK scripts to deploy multiple AWS resources (Lambda, S3, DynamoDB) to migrate JSON data from S3 to DynamoDB. Utilized AWS X-Ray for tracing within a Python Lambda function.

PROJECTS

➢ Developed a web-based math game to facilitate learning calculus in groups, incorporating a custom editor with LaTeX-like math keyboard for interactive problem-solving. This was created while lecturing at CSUSM. The tutoring center at CSUSM later requested this to be uploaded for them to use.
➢ Developed a Python-based sudoku solver using a recursive backtracking algorithm, used to teach algorithmic thinking and problem solving while tutoring advanced graph theory.

EDUCATION

➢ Bachelor of Science in Computer Science, California State University, San Marcos Graduated in 2018

SKILLS

➢ <u>Languages</u>: JavaScript, Python, PHP, HTML, CSS
➢ <u>Databases</u>: MySQL, DynamoDB, MongoDB
➢ <u>Frameworks</u>: Node.js, CodeIgniter, Express.js, Bootstrap, Cypress
➢ <u>Tools</u>: Git, AWS, Docker, JIRA, Confluence, Bash command line
➢ <u>Methodologies</u>: Testing (unit, regression, integration), Agile, SCRUM, Test Driven Development, Continuous Integration, Continuous Deployment