Jovan Petrovic

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SKILLS

Laguages: Golang, Java, Python (Django), C, C++, JavaScript, SQL, R, HTML, CSS
Platforms: AWS, Docker, Kubernetes, PostgreSQL, React, REST API, RDBS, NoSQL, GitHub (Github Actions)

EXPERIENCE

Backend Software Engineer
Veza   **February 2023 - February 2024, US, CA, Los Gatos**
- Coordinated with a team of 4 to enhance the Risks feature, enabling time series tracking of employee Risks across the customer's Identity Permission Accesses.
- Aided the migration, refactoring, and maintenance of Exports within the Insights space, overseeing the transition from Frontend to Backend.
- Integrated enhancements to heighten client visibility into exposure history, enhancing overall user experience.
- Built logic for time-based Digests, delivering customers daily, weekly, or monthly summaries of their IAM information.
- Managed access segregation for the Teams feature, ensuring each team accessed a customized view and restricted access to application data.
- Continuously improved the API by implementing diverse filters and sorting mechanisms, as well as overseeing database migrations.

Data Science Intern
Telesign   **July 2022 - December 2022, US, CA, Los Angeles**
- Conducted data analysis to identify and report on fraudulent patterns within labeled datasets.
- Created customized fraudulent features as indicators for specific customer fraud detection POCs.
- Designed a C++ model for efficient feature calculation and implemented a pipeline to transfer these features to Python models, optimizing computational efficiency in Jupyter Notebooks.
- Played a key role in researching and developing an innovative foundational machine learning model for detecting fraudulent transactions, utilizing IP, phone, etc. data provided by Klarna.

Operations Intern
Allianz   **June 2021 - August 2021, US, MN, Minneapolis**
- Built and deployed software application that expedites the validation of customer contract rules in Excel.
- Created SQL queries on AZL's database to enhance the accessibility of customer policies.
- Designed an Excel template sheet that refreshes queries based on their dependencies, avoiding unnecessary data refresh cycles.

Codelabs Intern
CodeDay   **July 2020 - August 2020, Remote**
- Developed a website designed to visually depict seminal paper trees, enhancing user understanding of academic paper relationships.
- Managed the entire technology stack, ensuring reliability through the development of server API and crafting an intuitive Frontend.

PROJECTS

Cloud Resume Challenge
https://jovan-resume.com/ · April 2024
- Utilized serverless technology for my resume website using CloudFront, S3, Lambda, DynamoDB, API Gateway, and CI/CD pipeline using GitHub Actions for frontend deployment and Terraform for backend deployment.

MinneHack (Hackathon)
https://github.com/jovanpet/minnehack22 · January 2023
- Played a role within a team of 4 to develop a website that transformed user passwords into visually representative images using advanced parsing and generative AI.
- Implemented an intuitive display mechanism to illustrate the vulnerability of simple passwords, exemplified by the transformation of "Dog_123" into a recognizable dog image and making it public to the other users. Urging the user to change their password.

LiteratureReviewAPI
https://chonger878.github.io/LiteratureReviewAPI/search/ · July 2021
- Developed the LiteratureReviewAPI to generate educational topic graphs utilizing Google Scholar data, facilitating research by identifying seminal papers and their references and subjects, visualizing their connection, and highlighting the most relevant influences within the field.

EDUCATION & CERTIFICATION

AWS Certified Developer - Associate
2024
- Validation number: 9b96857282e042a1b29c2d645abb7c34

Bachelor of Science, Computer Science
University of Minnesota Twin Cities · US, MN, Minneapolis · 2023
- **Awards:** Dean's List (all 4 years of studying), Graduated With Distinction, ISSS Scholarship Recipient