Jovan Petrovic

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EDUCATION & CERTIFICATION

University of Minnesota Twin Cities   **Minneapolis, MN**
Bachelor of Computer Science   December 2022
- **Awards:** Dean's List (all 4 years of studying), Graduated With Distinction

AWS Certified Developer - Associate
Validation number: 9b96857282e042a1b29c2d645abb7c34   April 2024 - April 2027

PROFESSIONAL EXPERIENCE

Veza   **Los Gatos, CA**
Backend Software Engineer (Insights Team)   February 2023 – February 2024
- 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.
- Built Export feature for different components of the Veza platform, and refactored old FE logic
- 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 IMA information.
- Aided the migration, refactoring, and maintenance of Exports within the Insights space, overseeing the transition from Frontend to Backend.
- Managed access segregation for the Teams feature, ensuring each team had 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 and optimizing indexing processes.

Telesign   **Los Angeles, CA**
Data Science Intern   July 2022 – December 2022
- 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 the research and development of an innovative foundational machine learning model for detecting fraudulent transactions, utilizing IP, phone, etc. data provided by Klarna.

Allianz   **Minneapolis, MN**
Operations Intern   June 2021 – August 2021
- 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.

CodeDay   **Remote**
Codelabs Intern   July 2020 – August 2020
- 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.

PROJECT EXPERIENCE

MinneHack (Hackathon) Theme: Cybersecurity Awareness   January 2022
- 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   July 2020
- 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.

Code Day (Hackathon)   January 2020
- Collaborated with a team of 3 to construct an app designed to quiz users about their day and utilize the information along with the items in the user's fridge to suggest an appropriate meal to make.

OTHER

Technical Skills: Golang, Java, Python, C/C++, Docker, Kubernetes, Postgres, JavaScript, React, REST API, RDBS, NoSQL, AWS
Languages: English (Fluent), Serbian (Native)
Other: Skiing, Long-distance running, Anime, Golf