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Dimitar Atanassov

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Work Experience

Software Engineer Intern	**ImagineX Consulting**	**May 2023 - August 2023**
Qualys Accelerators Team	Sunnyvale, California	

- Designed and developed an object-oriented automation tool to streamline the process of comparing IP addresses in various different formats such as CIDR notation, IPs with subnet masks, and IP Ranges.
- Implemented features to handle user-provided Excel Spreadsheets that contains IP address and interact with either the Qualys Platform or another user-provided Excel Spreadsheet, based on the user's input
- Improved performance and scalability with multithreading and asynchronous API calls.
- Generated a comprehensive CSV output file, sorting and combining original data from the first user-provided spreadsheet with IP addresses retrieved from the Qualys Platform or the second user-provided spreadsheet. Provides insight to users regarding the registration status of the IP addresses, categorizing them as registered, partially registered, or not registered at all.
- Created a Qualys Login and Login Verification API to connect to the Qualys platform.
- Created two Qualys API parsers to assist developers in parsing and storing data retrieved through API calls.

Software Engineer Intern	**Aveva**	**May 2022 - August 2022**
Hyperion team	Scottsdale, Arizona	

- Overhauled the Cloud Service Platform by refactoring the User's page, simplifying its over-engineered structure for improved performance and efficiency, using JavaScript and Angular Framework.
- Developed a recursive filtering function for the User's page, allowing seamless filtering across multiple columns for improved data exploration.
- Implemented a reusable search component which was utilized across different sections of the cloud platform.
- Developed Unit Tests

Education and Certifications

- **Bachelors of Science, Computer Science** Arizona State University, Tempe, Arizona.   **2019-2023**
- Dean's List of Outstanding Scholars

Technologies and Languages

- Languages: Java,JavaScript,C,C++,Python, HTML, CSS, TypeScript,
- Technologies: MySQL, Postgres, Git, Azure, Angular Framework, React, NodeJS, Vite

Projects

- **Client-Side React Ethereum Wallet for AR/VR/XR Applications**

    - Collaborated in a team of 5 to create a Frontend Client for AR/VR/XR applications, with key storage, an authentication server API,and a backend transaction API. Utilized git for team collaboration.
    - Developed a Transaction API using Python, designed to effortlessly process and verify transactions between two Ethereum Wallets. Testing was conducted using Ganache Blockchain.
    - Integration of Frontend and Backend was done using Flask.

- **Photo Sharing Social Media App**

    - Designed and developed a full stack photo sharing social media application using PostgreSQL, NodeJS, and Vite.
    - Implemented a robust system for user management, allowing registration, login, and profile management.

- Developed features for adding and listing friends, along with a friend recommendation system based on common friends.
- Created an album and photo management system, allowing users to create, browse, and delete albums and photos.
- Implemented tag management features, including viewing photos by tag name, viewing all photos by tag name, and viewing popular tags.
- Integrated search functionalities for photos based on conjunctive tag queries and comments.
- Enabled users to leave comments on photos, with comment search functionality based on text queries.
- Implemented a 'Like' functionality for photos, allowing users to like and view likes on photos.
- Developed a recommendation system for suggesting photos based on the user's uploaded content and tags.
- Utilized PostgreSQL as the database, NodeJS for backend development, and Vite for frontend development.