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# Ravnit Lotay

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## SKILLS

**Languages:** Python, LaTeX, C#, Java, HTML, CSS, SQL, MongoDB, TypeScript, JavaScript, Vue.js
**Tools:** Git, Postman, Figma, Docker, Jira, Alteryx, AWS, Linux
**Frameworks:** React, Flask, Angular, AngularJS

## EXPERIENCE

**Software Lead (Contract)**                                                                                   **October 2023 — Present**
*UnlockAI, Inc*                                                                                                                *Dubai, UAE*
- Developed serverless applications and endpoints using **AWS Lambda** and **Python**, enhancing system performance and scalability. **Managed S3 Buckets** for secure and scalable data storage.
- Designed and implemented databases using **DynamoDB** for efficient data management and integrated **Postgres RDS** to support complex data, improving application performance and accounting for vertical scalability.
- Led the development of a social media **AI** platform, utilizing **Python** for backend and **Vue.js** for the web app UI, complemented by a **React.js**-based landing page.
- Leveraged APIs for incorporating **AI functionalities** into our products, achieving cost-effective solutions and enhancing product features.
- Strengthened application security by integrating **OAuth** for secure authentication and implementing rigorous verification processes, ensuring robust protection of user data and access management.

**Software Developer (Remote)**                                                                     **January 2023 — September 2023**
*Futura Best Investments LLC*                                                                                                  *Dubai, UAE*
- Engaged in both part-time and full-time developer roles at this startup, transitioning from part-time to full-time in May 2023.
- Skillfully developed an SEO-optimized web3 webpage using **React**, ensuring maximum visibility and reach.
- Conducted comprehensive data collection via Web Scraping and analysis using **Python**, contributing to data-driven decisions.
- Regularly reviewed and optimized **Solidity** smart contracts, ensuring their security, efficiency, and adherence to best practices.
- Managed and interacted with databases leveraging **MongoDB**, optimizing data retrieval and storage processes.

**Software Developer (Contract)**                                                                                       **February 2023**
*Safe Supply Streaming*
- Independently designed and developed a functional **Android** application, utilizing **Figma** and **Midjourney** for UI design/mockups and **Flutter** for implementation.
- Integrated and customized the **Google Maps API** for a unique map design, enhancing user interaction and visual appeal.
- Worked closely with clients to refine app features and **UI/UX**.

**Software Developer Intern (PEY)**                                                                        **May 2021 — August 2022**
*Thomson Reuters*                                                                                                              *Toronto, ON*
- Developed a prototype UI alongside a BA for a new product using **Angular** and **REST** APIs that would improve user efficiency by allowing users to view, schedule, and modify tasks assigned to them.
- Worked with a team of ~10 members to upgrade a Calendar product from **Angular JS** to **Angular**, using **Scrum** and **Jira** to track progress, improving stability and overall user experience.
- Performed QA on multiple UI stories using **Postman**, **Pg-Admin**, and Manual Testing to meet or exceed sprint and or release deadlines.
- Created a new connector in **Alteryx** that allows clients to view records and other key data via filters, **Pandas** data frames, and HTTP Requests from new endpoints using **Python** and **React**.
- Improved efficiency by ~23% and stability of existing endpoints using **C#** and **Apache JMeter**.
- Updated Databases using **SQL** scripts to safely add new content available through API requests.
- Developed API endpoints to interact with UI to update the status of certain fields if they met specified conditions using **C#**.

## PROJECTS

**Game Controller & Face Filters Hackathon Project (Group Project)**                                             **February 2021**
- Developed a **Python** application capable of applying real-time filters to webcam feeds while enabling hand gesture recognition as interactive controllers.
- Directed a team of three in mastering and utilizing **Python** libraries such as **MediaPipe**, **Tkinter**, and **OpenCV**, fostering a collaborative and skilled environment.
- Placed first out of ~150 competitors in the Advanced Category for UofT's PyJAC Hackathon.

## EDUCATION

**Bachelor of Science in Geographical Information Systems**, *University of Toronto*              September 2018 — April 2024
*Minor in Computer Science*
*Minor in Statistics*