

# DENIZ JASARBASIC

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## Skills

**Languages:** Python, TypeScript, JavaScript, Java, C, C++, Go, SQL, HTML, CSS, R, PHP, Bash, Kotlin

**Technologies:** Git, React.js, Angular, Docker, AWS, Jenkins, GraphQL, Node, Stripe, PostgreSQL, Linux, Cloudflare, Nginx, REST

## Professional Experience

**Apple** **Cupertino, CA, USA**  
Software Engineer Intern May 2023 - August 2023

- Revamped the UI/UX from scratch of an internal DevOps tool which wraps around Jenkins, empowering various groups within Apple to more easily execute CI/CD pipeline jobs, speeding up **infrastructure management by 36%** (React/Figma).
- Added new pipeline jobs in the back-end to handle various **EC2** management needs for DevOps (Python/Docker/AWS).
- Created a **reverse proxy** solution to allow direct access to a cloud instance speeding up frontend development (Nginx, EC2).
- Developed a **lambda** that can be called on-demand that executed REST service calls for testing (REST, Python, AWS).

**OpenText** **Ottawa, ON, Canada**  
Software Engineer Intern May 2022 - August 2022

- Developed from scratch a Java/Spring/REST project to address XSS vulnerabilities in **seven major API services**. Achieved **99% risk coverage** through client-side exception handling, input cleansing, and HTTP status codes.
- Implemented a modal component for downloading and viewing text-based documents within the browser (React).

**Marketsheets (Startup)** **Ottawa, ON, Canada**  
Data Engineer Intern May 2020 - August 2020

- Scraped, collected, and cleansed close to **6,000 different financial company data points**, historical data points, and stock metrics across the NASDAQ & NYSE (Python/BS4).
- Developed a pipeline to automate the pushing, inserting, and manipulation of the data above into tables and databases (Python/PostgreSQL) that can be easily searched by customers for their market research in the Markesheets web-app.

## Projects, Leadership, and Outside Experience

**International Experience Scholarship** **Monterrey, NL, Mexico**  
Awarded by the University of Ottawa's Dean of Engineering October 2023 - October 2023

- Traveled to Tec de Monterrey in Monterrey, Mexico to represent the University of Ottawa's international partnership efforts.
- Shared my experience leading the university's hackathon and was invited to the World Engineering Education Forum.
- Facilitated a cross-institutional collaboration that will host **800+ students** from across the world for an **international event**.

**uOttHack (Hackathon)** | [uottahack.ca](https://uottahack.ca) **Ottawa, ON, Canada**  
Co-Director September 2021 - Present

- Pushing the vision for uOttHack, Ottawa's largest hackathon and the University of Ottawa's official MLH hackathon event.
- Led a team of **18 organizers** to plan and execute a hackathon that hosted over **500 students, 30 mentors, & 25 companies**.
- Spearheaded our marketing (grew view count to **44.8k**), sponsorship (**raised \$54K**), and dev strategies ([2023 site](#) & [live site](#)).

**Lula Technologies (Startup)** **Miami, FL, USA**  
Contract April 2023 - April 2023

- Rewrote sections of the new LulaSafe API service for Lula, an insurance infrastructure startup that has **raised over USD \$18M in funding** from notable investors such as Bill Ackman, Andrew Wilkinson, Steve Pagliuca, Bain Capital, and others.
- Wrote the [quickstart](#), [run check](#), and [PHP guides](#) (PHP/Postman/TypeScript/GraphQL/REST/ReadMe Docs).

**Bookin (A Simple Airbnb Clone - Full Stack Application)** | [github.com/Deniz-Jasa/Bookin](https://github.com/Deniz-Jasa/Bookin)

- Features: Dynamic property listing, user profiles, search filters, customer & host view, and a reservation system (React).
- Improved scalability and security by handling data via **API endpoints (next.js)** and deploying our database on **AWS RDS**.

## Education

**University of Ottawa** **September 2021 - December 2025**  
Bachelor's, Computer Science GPA: 3.8/4.0

- **Relevant Coursework:** Python, Java, C++, Data Structures & Algorithms, Databases, Networking, & Computer Architecture.
- **Activities and Societies:** uOttHack, Teaching Assistant (Python 101), VP Equity of IEEE uOttawa, and Men's Basketball.