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OKAN DODANLI

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PROFESSIONAL SUMMARY

Full-stack software developer with 4 years of experience building scalable, user-centric web applications using modern frontend and backend technologies. Strong expertise in React, TypeScript, and HTML/CSS, paired with backend development in Python, Node.js, and SQL. Experienced in API design, data-driven applications, and cloud-native tooling, with a proven ability to deliver clean, maintainable solutions from concept through deployment.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, SQL, Java, Ruby
Data & Visualization: Pandas, NumPy, D3.js, Chart.js
Tools & Platforms: Git, Bitbucket, Docker, OpenShift, Firebase, Ansible
Frameworks & Libraries: React, Node.js (Express), FastAPI, Flask, Spring Boot, Tailwind CSS, CSS3
Databases: PostgreSQL, MySQL, SQL Server, MongoDB
Dev & Design Tools: VS Code, Visual Studio, IntelliJ IDEA, Jira, Asana, Notion, Figma

PROFESSIONAL EXPERIENCE

Floors@Work *(Mississauga, ON)* **Full-Stack Developer** **2022 – Present**

- Developed a dynamic quoting tool with **React, Node.js** and **PostgreSQL**, cutting quote turnaround time from hours to seconds.
- Automated repetitive outreach using **Python**, which decreased manual tasks by **50%** and boosted follow-up consistency.
- Created real-time dashboards using **React** and **SQL** to track sales metrics, improving strategic planning and team performance.
- Translated static design mockups into responsive UIs with **Figma** and **Tailwind CSS**, enhancing usability.

Expeditors *(Mississauga, ON)* **Software Engineer - (Full-Stack / Logistics Systems)** **2021 – 2022**

- Built a real-time route optimization platform using **React, Python, PostgreSQL, ArcGIS, and REST APIs** to calculate multi-stop ETAs from live and historical data.
- Delivered a live mapping UI using **React**, real-time state management, and **PostgreSQL**-backed persistence to improve driver safety and customer visibility.
- Implemented incident- and weather-aware routing by using **ArcPy** in **ArcGIS** spatial analysis, and real-time event processing, improving driver safety and proactive rerouting during severe conditions.
- Redesigned warehouse inventory logic using **Python, SQL**, and data modeling by incorporating physical product dimensions into picking algorithms, improving packing efficiency and inventory accuracy.

University of Waterloo *(Waterloo, ON)* **Geospatial Research Assistant** **2020 – 2021**

- Built scalable APIs using **FastAPI** to centralize snowmelt and flood data, which enabled researchers to conduct real-time risk analysis.
- Automated GIS data pipelines using **Python** and **MySQL**, reducing turnaround time by **40%** on environmental processing tasks.
- Cleaned and validated sensor data using **Python**, increasing accuracy in snow water equivalent models and reducing noise in final datasets.
- Integrated **FastAPI** to connect environmental datasets with **ArcGIS**, enabling researchers to visualize and interact with data through a unified dashboard.

EDUCATION

Waterloo, ON **University of Waterloo** *Graduated April 2023*
Bachelor of Environment – Geography & Aviation

- **Award**: *Merit Award* – Awarded for achieving an early-May admission average between 85% and 89.9%.

PROJECTS & AWARDS

- **Western Hacks**: **(1st Place - Winner)** Addressed driver fatigue by integrating **Muse SDK** with **React** and **Node.js** to create real-time brainwave-triggered music responses, reducing input lag and improving driver alertness.
- **UofT Hacks**: **(2nd Place – Runner Up)** Enabled control of in-vehicle functions via social media commands using **Java**, **Angular**, and Bluetooth web integration, improving passenger interactivity and accessibility.

LEADERSHIP AND AFFILIATIONS

- **Team Lead – Hackathon Projects** - Led multidisciplinary teams during Western Hacks and UofT Hacks, coordinating technical strategy and project execution under strict time constraints.
- **Online Courses** – Java Bootcamp, Python Bootcamp, Full-Stack Web Development Bootcamp
- **Languages –** English and Turkish