

# Daniyal Mohammed

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## Skills

**Languages** Python · Java · C++ · Kotlin · Swift · Javascript · Typescript · Scala  
**Developer Tools** Docker · Kubernetes · Github · Babel · Linux · MySQL · Git · MySQL  
**Frameworks** NodeJS · React · ExpressJS · Django · PostgreSQL · Ruby on Rails · GraphQL

## Education

### University of Waterloo

Sep. 2021 – Apr. 2026

Candidate for Bachelor of Mathematics in Computer Science (4A)

Waterloo, ON

- Coursework: Object-Oriented Programming (C++), Data Structures & Algorithms, Artificial Intelligence, Cryptography

## Internships

### Databricks

May. – Aug. 2025

Software Engineer

Mountain View, CA

- Incoming on the MosaicML team, optimizing distributed system workflows for large-scale machine learning training

### Pinterest

Sep. – Dec. 2024

Software Engineer

Toronto, ON

- Engineered a new Brand Values filter on product search using React and Typescript, increasing shopping sessions by 5%
- Designed a caching layer with PostgreSQL to optimize homefeed loading times, reducing latency for millions of users
- Refactored back-end Python and Django services, optimizing API response times and enhancing backend scalability

### Okta

May. – Aug. 2024

Software Engineer

Toronto, ON

- Developed an admin recovery feature for the Desktop MFA product, allowing secure administrator access on MacOS devices
- Used Python to design a sign-on feature using OAuth protocols, enhancing secure access on desktop devices by 30%
- Pioneered implementation of a time-limited testing system using Swift, significantly reducing IT overhead by 40%

### Faire

Jan. – Apr. 2024

Software Engineer

Toronto, ON

- Engineered a solution to enable the inclusion of an additional 300,000 international retailers in our market experiments
- Led development in the launch of the new Evergreen Gifts category, increasing dollars ordered on homepage by \$200,000
- Integrated Python tagging feature for gift products, allowing non-engineers to streamline product categorization

### Cognixion

Sep. 2022 – Aug. 2023

Software Engineer

Toronto, ON

- Developed a AWS Kinesis data pipeline to pipe BCI signal data in real-time, allowing for shorter development cycles
- Implemented a CI/CD pipeline using Jenkins, automating deployment processes and reducing release times by 40%
- Developed a Unity-based augmented reality GUI app using C++ scripts, allowing users to communicate by gaze movement

## Relevant Projects

### 🔗 AI Resume Builder (iOS & Android) App | Python, Dart, Google Firebase, RevenueCat SDK

- Led a team of 14 members, including developers, UX designers, and a marketing team in the development of an AI-powered resume builder deployed on the [Play Store](#) and [App Store](#) with **50,000+ downloads** since release
- Integrated RevenueCat SDK to incorporate in-app purchases, resulting in **\$16,500+** in subscription revenue since launch

### 🔗 Phone Automation for Restaurants (video demo) | Twilio, Javascript, React, NodeJS, Square API

- Engineered an AI-driven phone assistant, "Talk & Order," to automate phone orders for restaurants enabling orders to be placed directly into the restaurant's POS system for a completely human-free call-to-order experience
- Developed a Twilio call system capable of handling simultaneous calls in real-time, ensuring no missed sales for restaurants

### 🔗 Hack the North 2022 Winner | Python, Django, React, PostgreSQL

- Developed [SeeHawk](#), a reading-performance tracker app on Flutter which analyzes reading patterns from eye movement
- One of the top 12 Finalists at Canada's largest hackathon out of 500+ teams and awarded \$2000 in hardware prizes