

Nicholos Nauth

I am a proud BIPOC developer with a degree in Computer Science and expertise in building native mobile applications with React Native and Kotlin. One of my key projects involved creating a custom search engine in Kotlin, where I focused on optimizing search algorithms and improving performance to handle large datasets. With experience in team leadership, database development, and mobile app design, I'm passionate about building efficient, user-friendly applications. I'm excited to bring my technical skills, hands-on experience, and diverse perspective to drive innovation on your team.

Skills

Programming Languages: Kotlin, Swift, Java

Mobile Development: Android (Kotlin, Java, Jetpack Compose), iOS (Swift)

Frameworks & Libraries: Android SDK, Xcode, UIKit, Jetpack Compose

Databases: SQLite, Firebase

Version Control: Git, GitHub

APIs: RESTful APIs, JSON

Tools: Android Studio, Xcode, Firebase

UI/UX Design: Material Design, Human Interface Guidelines

Testing: JUnit, Espresso, XCTest

Experience

Software Engineer Co-op Intern

Jan 2023 - April 2023 - Verily (Alphabet company)

- Collaborated with cross-functional teams to build healthcare solutions that streamlined the collection and analysis of clinical trial data.
- Contributed to the design and development of a feature for Verily's health data platform, improving data processing speeds by 30%.
- Participated in code reviews, ensuring code quality and reliability by writing unit tests and performing thorough debugging.
- Used Java, React, and Google Cloud Platform (GCP) to develop new features and optimize existing functionalities, directly contributing to improving healthcare outcomes for patients.

Software Engineer Co-op Intern

May 2022 - August 2022 - Ontario Power Generation

- Worked with a team of engineers to develop and deploy software that improved the efficiency of OPG's energy management system.
- Helped troubleshoot and resolve bugs in a legacy system responsible for real-time monitoring of power plant operations, reducing downtime by 15%.
- Took the lead on creating a tool to automate the generation of daily performance reports, saving the team around 20% of time on routine tasks.
- Gained hands-on experience with Python, SQL, and AWS to optimize data processing workflows and improve system performance.

Projects

- Kotlin Medical Data Search Engine, Calculator, Recipe App, To-Do List App, & more
- Python Pygame racing game, snake game, tic-tac-toe
- C#/C++ Zombie video game

Education

- Trent University Bachelor of Science in Computer Science | 2023