Rohit Nair

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SKILLS

Languages and Technologies: Swift, C, C++, Python, Django, Java, Lua, VCS (Git), JavaScript, React, HTML, CSS, SQL (PostgreSQL), NoSQL (MongoDB), Apollo, GraphQL, Bash, Linux, AI/ML (TensorFlow), Solidity, Docker, AWS
Other: Scrum, Figma, Raspberry Pi (UART, SPI, I2C), eye for human-centric design, time management

WORK EXPERIENCE

iOS Software Developer - *CampusFire Social Networking App* (*May 2023 – Present*)
- Pioneered the development of the frontend SwiftUI design with advanced dynamic rendering and scroll effects for an iOS social networking app, achieving a 45% growth in user acquisition and securing $150,000 in seed grants
- Crafted multiple Figma prototypes before transferring them to custom UI elements adhering to SwiftUI protocols, ensuring a seamless and visually appealing user experience
- Directed the integration of the *Events* section by producing the necessary GraphQL schemas, queries, and mutations, ensuring seamless data exchange between client and server

Flutter Software Developer - *SafeSpace Incubated Startup* (*Jan 2023 – Aug 2023*)
- Led the design and development of an iOS application to give immigrant women domestic violence resources
- Produced 3 wireframe designs of the proposed solution using Figma, demonstrating realistic timelines of deliverables and incorporating client feedback during the iterative design process
- Constructed an end-to-end prototype with live chat and translation using Flutter, Firebase, and the Google API that successfully hosted 12 users in a trial session

Executive of Events and Mentor - *Schulich Ignite (formerly Google Ignite)* (*Feb 2022 – May 2023*)
- Moderated sessions for over 150 students and assisted students in the completion of Pygame puzzles
- Led a cross-functional team in planning, designing, and successfully implementing a remote OpenProcessing Python interview system that utilized code-review-styled problem solving, resulting in more effective recruitment practices
- Hosted 8 large-scale events, including hackathons and professional coding showcases, that were attended by over 300 students, professors, industry professionals, and mentors

Code Instructor - *Code Ninjas* (*Aug 2021 – Nov 2022*)
- Guided over 80 students as they completed a variety of JavaScript, Lua, and HTML-themed projects
- Created numerous engaging lesson activities through interactive presentations and JavaScript coding puzzles
- Communicated with parents about the progress of students using a code review system where the student, the parent, and myself would assess the quality of coding endeavours and provide constructive feedback

PROJECTS

EcoMetrics – Sustainable Portfolio Analysis Tool – *Typescript, MUI, Node-Cache* (*Nov 2024 – Present*)
- Directed the frontend development of EcoMetrics, using Typescript and Material UI components, producing an aesthetic dynamic user interface that earned 5th place at the *Code The Change Hackathon*
- Assisted in the integration of the NodeCache, which resulted in a 91% improvement in response time of queried data

uTrack Gym Tracker - *React, Django, Relational Databases* (*Mar 2023 – June 2023*)
- Independently designed a dynamic React frontend before integrating a Django/PostgreSQL backend that tracked the athletic facility usage of over 50 users

Virtual Self-Checkout Machine - *Java, GitHub, modular programming* (*Mar 2023 – May 2023*)
- Implemented a fully operational virtual self-checkout station in Java with 25 other programmers
- Devised a system to read virtual membership cards using a working card-scanner observer

EDUCATION

University of Calgary Bachelor of Science, Computer Science (*Expected Graduation: May 2025*)
- **GPA**: 3.7/4.0
- **Awards**: IB Entrance Award Scholarship, Alexander Rutherford Scholarship, Jason Lang Scholarship
- **Undergraduate Coursework:** Database Management Systems (relational databases with *PostgreSQL*), Data Structures and Algorithms (*Java*), Hardware and Microprocessor Design (*Raspberry Pi* and *C*), Programming Paradigms (*Haskell*)