Abdu Abuharrus
Junior Software Developer

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Inquisitive | Collaborative | Communicative

SUMMARY

A Junior Software Developer with a passion for problem-solving. Experienced in multiple languages and frameworks, leadership, Agile development, and deploying real-world projects and applications.

SKILLS

Programming Languages: Python, JavaScript/TypeScript, Java, C, Go, Rust, Elixir, and Kotlin.

Web: HTML & CSS, React Native, Next.js, Flask, Astro, Node.js, Express.js, and Ruby on Rails.

Databases: MySQL, MS SQL Server, PostgreSQL, MongoDB, and Redis.

Dev Tools: Docker, Expo, Git, GitHub, Bitbucket, Supabase, and Heroku.

Other: Linux, REST APIs, Unit Testing, Functional Programming, Multithreading, Microservices architecture, documentation focused, Jira, Asana, ServiceNow, Figma, Postman, SourceTree,

EDUCATION

British Columbia Institute of Technology   Jan 2023 - May 2025
Computer Systems Technology Diploma

University of British Columbia – Bachelor of Science   Sep 2020 - Sep 2022
Recipient of the Outstanding International Student Award, transferred

EXPERIENCE

Lead Developer & CTO | Enactus BCIT – Ecometer   Sep 2024 - Present

- Led Enactus BCIT development for Ecometer, a Ruby on Rails app that aggregates restaurant sustainability data, helping customers make informed decisions.
- Built a team of four junior developers to support the development of new features and provided technical guidance and mentorship.
- Reduced downtime and vulnerabilities by modernizing the legacy Ruby on Rails stack on Heroku, also implemented Google Analytics to gather site data.

React Native Mobile App Developer | Impulse Studios   Jan 2025 – April 2025

- Developed a mobile app for a Moto-sport magazine, adapted the client's business needs, and implemented 15 user stories and 25 development tasks, following Agile methods.
- Developed modular React Native components for both iOS and Android. Wrote and optimized 10+ API functions. Utilized Expo and Android Studio to test features natively during development.
- Fixed bugs and issues that prevented implementing new features, such as refactoring the app's navigation and data retrieval for several components and screens.

System Analyst Co-op | Provincial Health Services Authority Jan 2024 - Aug 2024

- Measurably increased team efficiency by 7% by developing 13+ internal tools (PowerShell and JS) that streamlined several workflows, ranging from generating reports to managing databases for BC Cancer information systems.
- Built an automated program to update documents and reports that's integrated into a larger document management system. Also wrote a JS scraper to analyze data from ServiceNow.
- Maintained critical information systems to ensure uninterrupted access for BC healthcare providers and supported IT operations.

PROJECTS

[ClickClack](#) | Academic Project   Mar 2025 – Apr 2025

- Tech stack: Next.js frontend, a Postgres database on Supabase, and an Express.js API server.
- Co-developed, in a team of four, a typing-speed test web app. It prompts users for a theme and generates a story to type along with, calculating words per minute and other metrics.
- Built several frontend pages, features, and components, including the admin dashboard and all the data-displaying components such as the Scoreboard.

[Project Vitalis](#) | Personal Project   Mar 2025 – Mar 2025

- Tech stack: Go (Golang) with the [Bubble Tea](#) library and [Lip Gloss](#) package.
- Built a simple multithreaded tool that monitors CPU, GPU, Memory, and system stats, including usage, temperature, operating system, make and model, and more.
- Designed a terminal-based user interface to visualize the information by rendering loading animations, tables, progress bars, and other retro UI elements.

[NagaMD](#) | Personal Project   Nov 2024 - Dec 2024

- Developed a simple Markdown-to-HTML converter as a tool for personal use.
- Utilized OCaml to explore and demonstrate the language's Functional Programming features and its powerful pattern-matching mechanisms.

[AudioReaper](#) | Personal Project   Mar 2024 - Aug 2024

- Tech stack: Flask, Python, JavaScript (Node.js), Spotify's API, and OpenAI's GPT-4.
- Developed a Full stack web app that extracts song metadata from local music libraries on PC and adds them to the user's specified playlist on Spotify.
- Built a backend server to handle metadata processing, API requests, and user sessions. Paired with a simple JavaScript frontend for the user-facing web app. Improved metadata extraction accuracy by 24% using GPT-4 API, processed 1,020 test samples with inconsistent file names.

INTERESTS

Hobbies: Café-hopping, aquariums, guitar, wildlife and automotive photography, and Cyberpunk media.