

Darian Chetty

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Profile

Motivated Junior Software Developer with a BSc in Computer Science and Information Technology from the University of KwaZulu-Natal. With hands-on experience in full-stack development using C# (.NET Core, ASP.NET, MVC) and SQL Server, I excel in building scalable, maintainable software solutions, problem-solving, debugging, and agile teamwork. I am eager to further develop my skills and contribute innovative solutions to real-world projects.

Education

University of KwaZulu-Natal 2021 – 2024
BSc in Computer Science and Information Technology

2mm] **Westville Boys High School** 2020 *Matriculated*

Experience

Software Developer Intern 2023 – Present
Easy CloudEnergy (Germany) [Remote]

- Gained hands-on experience in full-stack development under a mentorship program.
- Developed and maintained applications using C# (.NET Core, MVC) and SQL Server.
- Designed and implemented a user monitoring dashboard to enhance system oversight.
- Optimized SQL queries and database operations, improving overall system performance.
- Assisted in debugging and troubleshooting technical issues under senior developer guidance.

Sales Consultant (Vacation Work) 2019 – 2021
Edgars, Woolworths

- Managed client relationships and drove revenue growth.
- Implemented strategic sales initiatives and consistently exceeded monthly targets.

Sports Coach (Part-Time) 2020 – 2024
Durban Girls College & Westville Boys High

- Developed and implemented training programs focusing on teamwork and performance.
- Improved team morale and competitive performance.

Technical Skills

Languages: C# (.NET Core, ASP.NET, MVC), SQL, JavaScript, Python
Back-End: C# (.NET Core, Entity Framework, RESTful APIs)
Front-End: HTML, CSS, JavaScript, Bootstrap, Angular
Databases: SQL Server, PostgreSQL, SQLite
Tools: Visual Studio, Git, GitHub, Docker, Azure DevOps
Practices: Agile, SOLID Principles, Unit Testing, Code Reviews
Willing to Learn: Cloud Computing, CI/CD, Microservices Architecture

Projects

Multi-Tenant SaaS Notes & Collaboration API

Node.js, Express, MongoDB, JWT, Socket.io

- Architected a scalable backend for a cloud-based note-taking and collaboration platform.
- Developed RESTful APIs with full CRUD operations and implemented JWT-based authentication.
- Integrated real-time collaboration using Socket.io for live note editing.

Secure Password Manager

Python, Cryptography, PySimpleGUI

- Developed a secure, multi-feature password manager with encrypted storage.
- Implemented robust encryption using Fernet for per-entry and full-file security.
- Designed a master password authentication system using PBKDF2 hashing.

Personal Expense Tracker

Flask, SQLite, Bootstrap, Matplotlib

- Developed a full-stack finance tracker for managing personal expenses.
- Implemented user authentication, CRUD operations, and budget tracking.
- Integrated Matplotlib for data visualization to enhance financial insights.

Honors & Awards

- Awarded All-Round Excellence Award (4x recipient)
- Achieved Full Colors for Academics
- Selected for the CUCSA Volleyball 2024 side
- Awarded MVP in Volleyball, 2020

References

Available upon request.