Teveshan Valaitham

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PROFILE

I'm a driven Software Engineer actively creating innovative solutions in the Regulatory Technology division at Synthesis Software Technologies. I have a Bachelor of Engineering (Honours) in Electrical Engineering. I bring both strong analytical thinking and genuine enthusiasm for developing dependable, efficient software. I excel at solving complex problems and work well in team settings, always looking to apply my technical expertise to advance technology and deliver on project goals.

EXPERIENCE

Synthesis Software Technologies:

Fast Tracker | Johannesburg, South Africa   *Feb-July 2024*

I started at Synthesis as a Graduate Software Engineer, where I helped build a comprehensive e-commerce platform like Takealot. I developed the customer-facing interface for browsing and purchasing clothing, created the administrative backend, and added a secure login functionality. This backend system empowered admins to manage inventory and track sales performance through visual revenue metrics.

Junior Software Engineer | Durban, South Africa (Remote)   *August 2024-Present*

Since joining the Regulatory Technology division, I've helped improve our systems that handle financial client data for SARS and SARB compliance. I used my Java and JavaScript skills by building features that made our team's daily work much more efficient. One of my favourite projects was developing Angular.js components that made the interface more intuitive for users. I'm particularly proud of a Java test automation script I created that automatically generates test cases—it cut our manual testing time by about 75%, giving everyone back hours of their week. When we started thinking about the next version of our core product, I took the initiative to build a React prototype that showcased a better user experience and new capabilities. Working across these different technologies has been rewarding, especially seeing how my contributions have helped the team meet strict regulatory requirements while smoothing compliance processes for financial institutions.

EDUCATION

The University of Kwa-Zulu Natal | Durban, South Africa   *2017 – 2023*

Bachelor of Engineering (Honours) in Electrical Engineering.
Key Modules: Electrical Principles, Computer Methods, Engineering Mathematics, Embedded Systems, and Digital Systems.
Dissertation: Design and Simulation of a Micro-turbine power generation system.

Mountview Secondary School | Verulam, South Africa   *2012 – 2016*

Bachelor's Pass (4 A's).   *2016*
Subjects: Mathematics, Information Technology, Accounting, Physical Sciences, English, Life Orientation, and Afrikaans.

CERTIFICATES

- Microsoft –
    1. Azure Data Fundamentals.
    2. Azure Fundamentals.
- Google – Cloud Digital Leader.
- Amazon Web Services – Cloud Practitioner.
- freeCodeCamp –
    1. JavaScript Algorithms & Data Structures - 2023.
    2. Responsive Web Design: HTML & CSS - 2023.
- Shantik Foundation – Skills Development Graduate (Electrical) – 2023.

ACHIEVEMENTS

- 2x winner of the Thebe Foundation Scholarship Fund (2020 and 2021).
- Mountview Secondary class RCL.
- "A" aggregate achievement in Matric.

SKILLS

- **Languages:** English (native).
- **Microsoft Office:** Proficient in Word, PowerPoint, Excel, and Outlook.
- **Software Development:** Proficient in Java, C, C#, Python, JavaScript, HTML and CSS. Familiar with Assembly. Experienced with IntelliJ, Visual Studio Code, and Visual Studio.
- **Data Analysis:** SQL and MATLAB/Simulink.
- **Other:** Microcontroller programming, embedded systems, system modelling, lightroom, NetBeans, PyCharm, Atmel Studio, MS SQL Studio, and AutoCAD.