Basic Details

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Portfolio: https://preshailen.github.io/resume/
Location: Linbro Park, Johannesburg, Gauteng

About

I am a driven, committed full stack software engineer who takes immense pride in my work. I have over 5 years of professional experience in web software development as well as a degree in computer science

Technical Skills

All listed skills have been used in a professional environment, except where stated

- **Languages -** Typescript, C#, HTML, CSS and SQL. As well as C++, Java and PHP at a university level.
- **Frameworks -** Angular and .NET Core.
- **Databases -** SQL Server Management Studio. MySQL at a university level.
- **CI/CD -** Heroku and Github Actions both in personal projects.
- **Methodologies -** Agile. Waterfall in my personal projects.
- **Git -** Bitbucket. Github for my personal projects and at a university level.
- **Other -** Google API's in my personal projects.

Work Experience

- **Software developer at Morecorp (May 2019 - present) -** In this role I, as the sole developer, built a web based point of sale system that manages the inventory, processes transactions and also provides sales reporting and analytics. My boss acted as the "client" and provided specifications to me and then it was my job to implement those features however I saw fit. We made use of the agile methodology for building the system. I used Angular as the frontend

framework, writing code in typescript and the .Net architecture for the backend, writing code in c#. For database interaction I made use of SQL Server Management Studio and my boss occasionally helped me by writing the more complex sql functions. Both these languages and database were chosen before I started working on the project by my boss. I had previously worked with Angular but it was my first time using c# and the .Net environment. This provided value as it replaced a legacy windows application and due to it being a web app, it can be accessed from any device with a browser making it more accessible.

Personal Projects

- **Online marks moderator -** In my personal time I, as the sole developer, designed and built a website that allows teachers to upload their marked scripts to be viewed by a moderator who then provides feedback to the teacher. I created this project to provide a proof of concept for my Aunty's thesis for her doctorate. Her only constraints were that the system be free (in terms of cost). I used Angular as the frontend framework, as I was comfortable with it due to having used it in my day job. I used JSON files in Google Docs as the "database" with no backend as I called the Google API's directly from the frontend. I chose Google Docs as it comes free with a Google account (which is also free) and additionally had the advantage of automatically scaling to deal with multiple users. Similarly I used Heroku to deploy the app because it was free. I made use of the waterfall methodology as functions built on top of one another which made me develop it in a linear manner. This project provided value as no such system existed until I built it. A visual demonstration can be found at https://youtu.be/q2l-ZrL8Ceg?si=wf8VpXNHFtY_LBsT
- **Personal portfolio -** I built a website to display my work. I used Angular as a frontend framework as I was comfortable with it and used Github Actions to deploy the website. I used the agile methodology for this project as components didn't rely on each other so I could work on them in any order. You can view the website at: https://preshailen.github.io/resume/

Education

- **Bachelor of Science (BSc), Information Technology -** University of Johannesburg, 2020.

Short Courses

- **Understanding Typescript -** Udemy (Maximilian Schwarzmuller), 2024.
- **Professional C# -** Udemy (Chuck McCullough), 2025.

Other Ventures

Since 2021, I have volunteered to tutor underprivileged children in mathematics with the Rays of Hope - Rose Act School in Alexandria. This takes place on Saturday mornings and brings a fulfillment to my life. To find out more information:
https://raysofhope.co.za/education-support-programme/