

Karabo Magomola's CV

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Personal Profile

I am an ambitious aspiring developer whose interests range from UI/UX to software development and cybersecurity. I love building software and mobile applications. My introduction to programming has been a journey I have since fell in love with. I am an excellent problem solver and that's what makes me a good programmer but learning to complete big projects I have discovered that coding makes you an artist with a paint brush and every line of code is stroke of paint. My most desirable trait is staying up until the problem solves itself so I know what the 11th page on Google looks like. Hardships in my coding journey has made me believe that one should not only grow but consistently grow every day. It is because of this belief that I am a hardworking and a self-motivated individual. It is because of this belief that I am eager to learn, and I am open to new and difficult challenges. I believe my experiences and achievements thus far make me a strong candidate as I look forward to hearing from you!

Education:

MONASH UNIVERSITY SOUTH AFRICA (2018-

CURRENT) *Bachelor of Computer and Information Science (Majors: Software development and Mobile Systems) - Final Year*

Achievements and Honours:

- Certificate of First Class – Systems Development, Software Security, Software Engineering: Architecture And Design, Entrepreneurship, Mobile Networks
- Class Representative 2018

MONASH UNIVERSITY SOUTH AFRICA (2017-

2018) *Higher Certificate in Information Technology*

- Certificate of First Class - Object Orientated Programming, Business Algebra, English For Academic Purposes, Academic Research, Change And Critical Thinking

DOMINICAN CONVENT SCHOOL (2012-2016)

Achievements and Honours:

- Advanced Programme Mathematics – Extracurricular subject
 - Mathematics Olympiad (2014- 2016)
 - 2nd Round Mathematics Olympiad (2016)
 - Boarding House Head Prefect (2016)
 - School Prefect (2016)
 - Rugby Vice-Captain
 - Easterns Touch Rugby -Inter-provinsional Rugby participation
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Employment:

- Volunteer at Cotlands childrens home
- Volunteer Tutor for high school students at Ebenzer High School
- Private tutor for Java Fundamentals, Software Engineering and Architecture
- Peer collaborator (one on one tutor) for Business Statistics
- Co-Founder and Director of an online waterless car washing business called Elite Lav.

Relevant Skills Profile

- **Programming**- Java, C/C++, Andriod development, Git, Github,
- **Database** - NoSQL(MariaDB, MongoDB, CouchDB, PouchDB); SQL(Oracle, MicrosoftSQL), FireBase.
- **Web development** – HTML, CSS, SASS, PHP, Laravel, Javascript
- **Methodologies** – Scrum, Agile
- **Excel** - completed excel course (TECHNOLOGY FOR THE INFORMATION ERA)
- **Leadership** – have held various leadership positions at high school, university and church.
- **Communication** – Skills gained/harnessed from collaboration, tutoring and leadership roles.
- **Collaboration** – I work well in committed teams.
- **Googling**
- **First aid level 2 and Basic fire fighting**

Projects

- o Currently working on a final year project. Developing an e-commerce system for a stationary supplying company.
 - Project summary: An e-commerce web application that allows customers to place, manage, and track orders. We are developing a second system (backend) which is also a web application but it is restricted from public access and is only accessible to the business owner (administrator). This system will enable the administrator to manage products (add, modify, delete, take stocks, etc.), product categories, promotions, orders, customers, analytics, etc. Both systems will be Progressive Web Applications (PWA) meaning they are fully optimized for both mobile and desktop use.
 - o Developed a mobile application for a start- up: as a co-founder of a start-up I developed an application for an online car wash for customers to request a car wash using android development.
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Interests

- **Sports** – Soccer, Running and Rugby
- **Reading** – Particularly Non-fiction
- **Entrepreneurship**
- **Gaming**
- **Cybersecurity**

Referes

Dr Sheelagh Walton
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Dr Olalekan Ogunleye
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