

PROFESSIONAL PROFILE - Software Developer | Programmer | C# Developer | UI/UX Designer

An innovative BSc Information and Knowledge Systems and BIS Multimedia Honours graduate from the University of Pretoria, with hands-on experience in software development, cloud computing, and UI/UX design, successfully contributing to pivotal projects such as a digital workspace for one client and an AWS-based CV management system for another. His comprehensive skill set, ranging from Angular, React, to C# and Flutter, combined with leadership, problem-solving and analytical thinking, positions him as a valuable asset for any team or organization seeking a dynamic software developer capable of providing a new perspective and driving innovative solutions to meet corporate objectives.

COMPETENCIES & ATTRIBUTES

Leadership | People management skills | Staff motivation/guidance | Strong analytical | Design and solution enthused | Innovative problem-solving skills | Deadline orientated | Self-motivated | Creative | Sense of urgency on set deliverables

AREAS OF STRENGTH

- **Full-stack Development** - Front/Backend, complex web & application-based solutions, for high-end corporate demand.
- **Adapting** - Researching new technologies, learning on the go, and providing efficient solutions, quickly.
- **Troubleshooting** - Understanding and interpreting technical incidents and determining the best applicable fix.
- **Teamwork** - Using team synergy for innovative solutions and fixes, pioneering cutting-edge business systems.
- **Communication** - Corresponding, reporting and presenting complex concepts in simple terms.

ROLE-SPECIFIC SKILLS

- Software Development
- Knowledge of Multiple Programming Languages
- Application Design
- UI/UX Design using Adobe XD and Figma
- Database Management
- API Development and Integration
- Proficiency in AWS tools and services
- Agile Development Environment
- Version Control using GitHub & Azure DevOps
- Software Engineering
- Document Modelling and Rendering (PDF/Excel)
- Cloud Computing
- Development in a Security Context (DevSecOps)
- Knowledge of Virtual Machines
- Quality Assurance and Testing
- Task Management Using Kanban Boards

DEVELOPER TOOLS

Adobe XD | Agile Environment | AngularJS | ASP .NET | AWS Development | Azura DevOps | C# | C++ | CSS | Figma | Flutter | GitHub | HTML | Java | JavaScript | JSON | LINQ | MongoDB | MySQL | Nodejs | Object Orientated Programming | PHP | Postgre-SQL | Python | ReactJS | REST API | TypeScript | Unity | XML Schema

CAREER SUMMARY

- **Junior Software Engineer**
Kindle Insurance Technologies - Johannesburg, South Africa - Jan 2023 - Current
- **DevSecOps Intern** (Student employment opportunity)
DRS - Johannesburg, South Africa - Jan 2021 - Mar 2021
- **Construction Jnr Foreman** (Student employment opportunity)
Advanced Interiors and Construction - Johannesburg, South Africa - Dec 2020 - Jan 2021
- **Full-time Student**
Kindle Insurance Technologies - Johannesburg, South Africa - 2017 - 2022

EDUCATION & QUALIFICATION

- **BIS Honours Multimedia** - University of Pretoria, South Africa - 2022
- **BSc Information and Knowledge Systems** - University of Pretoria, South Africa - 2021
- **Senior Certificate** - Redhill High School, Johannesburg, South Africa - 2016

Certifications:

- **AWS Certified Cloud Practitioner** - 2022

ACHIEVEMENTS & HIGHLIGHTS

- Achieved 2nd place for the Cos301 Software engineering project awarded by the EBIT Faculty (2021)
- Achieved scrolls at Redhill High School for Science Expo
- Achieved scrolls at Redhill High School for Swimming
- Played 1st Team Rugby Gr 11-12
- Competed in the Inter-High u18 Swimming Gr 12

COMPLETED PROJECT EXAMPLES

1. Project: Retro Rabbit a software development company.

- **Description:** Formed part of a five-person team that designed an application that offers a digital work environment with a collection of tools that made communications between colleagues as seamless as possible, aiming to replicate an in-person interaction. | **Link to project:** github.com/COS301-SE-2021/Rabbitania

2. Project: An honours project focused on utilising AWS tools and services.

- **Description:** This group project was completed over a period of 3 months for a software development company called Gendac. An application was created to upload, analyse, categorise, store and search for CV documents.
- **Link to project:** github.com/Deannortje/imy-772-gendac-project

The above-mentioned projects were completed using an agile environment, Github, databases, APIs, Amazon Webservices and multiple programming languages. All projects involving application design or user interaction required the use of UI/UX design using Adobe XD and Figma.

WORK EXPERIENCE

Junior Software Engineer

Kindle Insurance Technologies - Johannesburg, South Africa - Jan 2023 - Current

Software Development and Integration:

- Developed solutions on the KIT system for clients which included working with multiple technologies.
- Integrated new technologies into existing code.
- Developed, maintained, and implemented software within time constraints set by clients or goals.
- Resolved coding errors.
- Researched and implemented new technologies, such as new software for creating documents.
- Creation of new front-end pages and backend functionalities.

Document Modelling and Rendering:

- The creation of alterable and modifiable PDF/Excel documents tailored to clients' specifications and

Client Communication and Support:

- Acquired and used insurance concepts and terminology for effective client communication and development tasks.
- Online support for clients.
- Liaising with clients over requested tasks in an efficient and timely manner.
- Worked collaboratively in a team, focusing on multiple clients and their various requests, and contributed to the project's success.

Team Collaboration and Meetings:

- Partook in meetings that focused on delegation and distribution of work as well as brainstorming problems and issues related to the company's software.
- Implemented development methodologies, tools, and standards for the teams.

Quality Assurance and Best Practices:

- Performed testing on work generated by the team and myself to ensure the production of functioning clean code.
- Ensured efficiency, adherence to best practices, and continuous improvement.
- Stayed up to date with the latest technologies, trends, and industry best practices.

Training and Knowledge Acquisition:

- Participated in training sessions conducted around insurance and the understanding of Kindle's software.

DevSecOps Intern (Student employment opportunity)

DRS - Johannesburg, South Africa - Jan 2021 - Mar 2021

- Researched and learned about development pipelines in a security context.
- Implemented a mock pipeline in a Linux shell to test various security products and the various pipeline systems.
- Reported progress to the CTO.

Construction Jnr Foreman (Student employment opportunity)

Advanced Interiors and Construction - Johannesburg, South Africa - Dec 2020 - Jan 2021

Role: Management of construction tasks and supervision of staff

- Managed an array of construction tasks.
- Organised and delegated tasks.
- Ensured use of personal protection equipment standards.