

# Fayaad Abrahams

0637121904 · [fayaad.abrahams1@gmail.com](mailto:fayaad.abrahams1@gmail.com) · [LinkedIn](#) · [Github](#)

Cape Town, Western Cape, South Africa

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## SOFTWARE DEVELOPER

Full-stack developer with 2+ years' experience building scalable web apps, custom GIS tools, and enterprise automation systems. Skilled in React, TypeScript, and .NET, with a strong grasp of Agile workflows. Known for cutting operational costs by 50% and boosting system performance through innovative, cross-functional solutions.

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## PROFESSIONAL EXPERIENCE

### Front-End Developer | City of Cape Town

July 2024 - Present

- Developed and deployed custom React and Type Script widgets integrated with ArcGIS JavaScript API, serving 500+ municipal users and enhancing spatial data visualization capabilities by 40%
- Engineered dynamic tree structure components utilizing map layer hierarchies, improving data handling efficiency and reducing page load times by 35%
- Optimized GIS layer management through recursive search algorithms, reducing manual data retrieval time by 60% and improving overall user experience
- Collaborated with cross-functional teams using Azure Dev Ops for project management and Git for version control
- Implemented responsive design principles ensuring compatibility across desktop and mobile platforms

### Automation Developer, Junior | Digiblu

October 2022 – June 2024

- Spearheaded automation initiatives using C# .NET and Python, delivering 15+ enterprise automation solutions for high-profile clients including Northwest University, First Distribution, Momentum, and Gatenby Sanderson
- Analyzed complex project requirements to design, implement, and maintain automation solutions on Open Bots platform, optimizing business operations and reducing manual workload by 50%
- Managed version control using Git and Azure Dev Ops, leading to 20% improvement in project delivery timelines and seamless team collaboration
- Led Agile development processes and collaborated with cross-functional teams, successfully integrating software systems and delivering solutions on time and within budget

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## TECHNICAL SKILLS

**Frontend Technologies:** React, Type Script, JavaScript, HTML5, CSS3, Vue.js, Bootstrap

**Backend Technologies:** .NET, C#, Java (Spring/Spring Boot), Python, Node.js, Scala

**Databases:** SQL Server, PostgreSQL, MongoDB, MySQL

**Cloud & DevOps:** Microsoft Azure, Azure Dev Ops, Docker, CI/CD Pipelines

**Development Tools:** Git, GitHub, Visual Studio Code, IntelliJ, Postman, Maven, Gradle

**GIS Technologies:** ArcGIS JavaScript API, ArcGIS Online, Spatial Data Management

**Automation Platforms:** OpenBots, RPA Development

**Testing & Quality:** JUnit, Unit Testing, Debugging, Code Review

**Methodologies:** Agile, Scrum, Test-Driven Development

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## EDUCATION & CERTIFICATIONS

### Advanced Diploma in Information & Communication Technology

**Majors:** Application Development Practice, Application Development Theory and Project Management.

**Minors:** Project and Research Methodology.

Cape Peninsula University of Technology

### Diploma in Information & Communication Technology

**Majors:** Application Development (Software Development) and Information Systems

**Minors:** Business Studies, Computer Network Technologies, Generic Algorithm design and Project Management.

Cape Peninsula University of Technology

### National Senior Certificate

Norman Henshilwood High school