

# Carven Maceke

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## Objective

Detail-oriented and adaptable IT graduate with strong foundations in Java, SQL, Spring Boot, and database management. Experienced in backend development, web application projects, and providing IT support across hardware, software, and network environments. Skilled in enterprise tools such as IBM Content Manager and SQL Server Management Studio, with exposure to Linux and Windows Server administration. Currently seeking a Junior Technical Specialist or Graduate IT role where I can contribute to enterprise system support, software development, and system configuration while continuing to build expertise in enterprise content management and full stack technologies.

## Education

### Nelson Mandela University

NDip in Information Technology in Software dev - NQF Level 6

Port Elizabeth

Completed (2024)

## Experience

### ZAIO INSTITUTE OF TECHNOLOGY

#### Junior Java Developer

96 Rivonia Rd, Dennehof, Sandton

2023-09 – 2024-08

- Developed and maintained backend services and API integrations using Java and Spring Boot.
- Designed SQL queries for reporting and analysis, improving system responsiveness and reliability.
- Participated in troubleshooting, performance tuning, and issue tracking on deployed applications.
- Supported testing, change control, and basic deployment tasks in staging/production environments.
- Drafted technical documentation for feature implementations and support procedures.

**Key Skills:** Java, SQL, Spring Boot, Debugging, Technical Documentation, Software Support.

### K AND K MEDIA

Constantia Square Office Park, Midrand

#### IT Software & Networks Intern

2025-09 – 2026-06

- Improved efficiency of staff work using technology.
- Provided IT support regarding helpdesk operations and server security.
- Performed software updates and hardware maintenance.
- Supported and maintained data communication networks.

**Key Skills:** IT Support, Troubleshooting, Server Security, Hardware & Software Maintenance, Networking

## Projects

### Portfolio Website

- Designed and developed a **portfolio website** showcasing modern web development practices.
- Utilized **HTML, CSS, and JavaScript** to create an interactive and responsive design.
- Deployed using **Netlify** for accessibility and performance optimization.

Link: <https://carven.netlify.app>

Skills: HTML, CSS, JavaScript, Web Development, Responsive Design, UI/UX.

### Nelson Mandela University

Port Elizabeth

#### 3rd Year Software development project

2023-03 - 2023-11

- Led development of a responsive healthcare system web app using HTML, CSS, JavaScript, and MySQL.
- Implemented database optimization strategies and aligned with MVC design principles.
- Used Git for version control and collaborated with team members to deliver a functional solution.
- Prepared technical reports and user documentation for client-facing functionality.

**Key Skills:** HTML, CSS, JavaScript, MySQL, MVC, Git, Project Collaboration, Documentation

## Technical Skills

- **Programming & Development:** Java, Spring Boot, Python, C#, JavaScript, HTML, CSS, ASP.NET MVC, Django, Bash (basic)
- **Database Management:** MySQL, Microsoft SQL Server, DB2 (basic), Database Design, Data Analysis with Anaconda
- **Web Development:** PHP, Bootstrap, MVC Architecture, Responsive Web Design, Web Application Development
- **Platforms & OS:** Windows Server (admin basics), Red Hat Linux (introductory)
- **Enterprise Tools:** IBM Content Manager (exposure), SQL Server Management Studio, Git/GitHub
- **Support & Configuration:** Software Troubleshooting, System Optimization, Deployment, Documentation
- **Software Development Lifecycle (SDLC):** Requirements Gathering & Analysis, Design, Development, Testing, Deployment, Maintenance
- **Productivity Tools:** Microsoft Excel, Access, PowerPoint, Word
- **Hackathons:** 4IR AquaTech Hackathon (Water, Energy) – 2021; ICT Hackathon Challenge (Economic & Skills Development) – 2021
- **Project Management:** Group Collaboration, Project Planning, System Design, Storyboard Design, Presentations, Prototype Development
- **Web Server & Publishing:** Web Server Management, Deployment, Functional System Development

## Certifications

- **Java Certification – ZAIO Institute of Technology (December 2023)**
- **SQL Certification – ZAIO Institute of Technology (December 2023)**
- **Quality Work Experience – YES4Youth (September 2024)**
- **Cybersecurity for Everyone – University of Maryland (February 2024)**
- **CCNAv7: Introduction to Networks - Cisco Networking Academy**
- **Introduction to Cybersecurity - Cisco Networking Academy**

## References

Available upon request