

# PREVIN BOGOPA

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[Portfolio: Click here to visit my site](#)

## Personal Details

Name	: Previn Mochabo
Surname	: Bogopa
Identity Number	: 0312065827080
Driver's License	: Code C
Gender	: Male
Employment:	: Unemployed
Disability	: None
Nationality	: South African
Residential Address	: 704 Sparrow Street
	: Eastbank
	: Alexandra
	: 2090

## Career Objective

A Recent Full Stack Developer | Seeking to find the opportunity to work in a fun and challenging work environment that will encourage me to improve and learn new technologies in the tech sector.

Enthusiastic and dedicated Full stack developer with a strong foundation in Java, Spring Boot, React, and JavaScript. Passionate about building robust and user-friendly web applications. Committed to continuous learning and staying updated with emerging technologies.

## Achievements and Leadership Roles:

- Allian Gray top 6 entrepreneurship across Country

## Education:

**Senior Certificate: Matric: 3 Distinctions**  
Name of School: Liberty Community School

**2021**  
Bramley, Gauteng

**Degree/Diploma: BSc Computer Science**  
Name of College/ Institution: UNISA

**2023– current**

## Certifications and Qualifications:

**Qualification: Java Full stack developer**  
Name of College/ Institution: ZAIO

**12 Months**

## Work Experience:

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Zaio.IO | Java Developer | Duration: 11 months | Date:2023/09 to 2024/07

As a Java Developer at Zaio, I have been instrumental in the development and maintenance of various web applications using Java, particularly with Spring Boot and associated technologies. My role involves building scalable and efficient systems that meet the company's evolving needs.

### Key Achievements:

1. Web Application Development:
  - Led the development of several Java-based web applications, ensuring they were robust, secure, and easy to use.
  - Successfully integrated Spring Boot for seamless application flow, with a focus on scalability and performance.
2. Microservices Architecture:
  - Played a key role in designing and implementing a microservices architecture, utilizing Spring Cloud for effective communication and management between services.
  - Ensured services were independently deployable and scalable by integrating with tools like Docker and Kubernetes.
2. API Development and Integration:
  - Developed RESTful APIs using Spring Boot to facilitate communication between different services within the system.
  - Utilized tools such as Postman to test and document APIs, ensuring consistent performance and reliability.
3. Data Management:
  - Worked extensively with databases such as MySQL and PostgreSQL, using Spring Data JPA to manage data flow efficiently.
  - Implemented caching mechanisms and transaction management to optimize application performance.
4. CI/CD Pipelines:
  - Contributed to setting up continuous integration and continuous deployment (CI/CD) pipelines using Jenkins, ensuring rapid and reliable code delivery.

### Skills Utilized:

- Java (Spring Boot, Spring Cloud)
- RESTful API Development
- Postman
- Microservices Architecture
- MySQL / PostgreSQL
- Docker, Kubernetes
- CI/CD with Jenkins
- MS Excel & MS Outlook

Working at Zaio has given me valuable experience in developing scalable and reliable Java-based systems. My contributions have significantly enhanced the efficiency and performance of our applications, helping us meet the needs of a growing user base.

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## Work Experience:

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Nape Digital Solutions| Developer | Duration: 1 year | Date:2022/01 to 2022/12

As a Web Developer at Nape Digital Solutions, I have played a key role in developing and maintaining various web applications and systems that leverage React.js and Node.js for dynamic user interfaces and robust backend solutions. My responsibilities include creating scalable and efficient solutions to meet the diverse needs of our clients.x

### 1. **Web Application Development:**

- Spearheaded the development of multiple web applications using React.js, focusing on delivering intuitive and user-friendly interfaces.
- Successfully implemented authentication systems to ensure secure access for users, incorporating industry best practices for data protection.

### 2. **Client-Focused Solutions:**

- Collaborated closely with clients to understand their requirements and deliver customized web solutions.
- Ensured responsive design and cross-browser compatibility to enhance user experience across different devices and platforms.

### 3. **React Native Development:**

- Played a crucial role in developing React Native applications, delivering cross-platform mobile solutions for various clients.
- Focused on creating responsive and performant mobile applications that meet client specifications and enhance user experience.

### Skills Utilized:

- React.js
- Node.js
- Express.js
- Python Django
- PostgreSQL
- Web Development (HTML, CSS, JavaScript)
- RESTful API Development
- Postman
- React Native
- Scikit-learn
- NLP

Working at Nape Digital Solutions has provided me with valuable experience in developing innovative solutions in web and mobile development. I am proud to contribute to projects that have a meaningful impact on client satisfaction through responsive and dynamic systems and mobile applications.

## Projects:

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### Social Media Application using SwiftUI and Python Django Microservices Project :

- **Project Description:** The Social Media Application is a sophisticated, full-stack platform designed to support millions of users and handle complex social interactions. The frontend is developed in SwiftUI, providing a sleek, responsive, and modern user experience. The backend leverages Python Django microservices, ensuring modular, scalable, and maintainable architecture. Each microservice is responsible for specific functionalities such as user authentication, content management, messaging, and notifications, with communication facilitated via RabbitMQ. The system also incorporates caching mechanisms to optimize performance and reduce latency, making it capable of handling high-volume requests efficiently.
  - **My Role:** As the lead programmer, I was responsible for designing and implementing the core backend microservices architecture, integrating complex features like RabbitMQ for asynchronous task management, and caching strategies to optimize data retrieval. I also contributed to the frontend development using SwiftUI, ensuring seamless interaction between the frontend and the microservices.
  - **Development Languages and Technologies:** SwiftUI, Python, Django, Django REST Framework, RabbitMQ, Redis (for caching), RESTful API, MySQL, Amazon RDS (hosting)
  - **Framework:** Spring Boot provided a powerful and streamlined framework for developing this application. It offered features like automatic configuration, dependency management, and embedded servers, which significantly expedited the development process. Spring Data JPA, in combination with Hibernate, facilitated seamless communication with the database, allowing for efficient and maintainable code.
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### Software Development Project

- **Project Title:** Employee Management System using Spring Boot
- **Project Description:** The Employee Management System is a Spring Boot application designed to provide a set of RESTful APIs for managing employee records. It allows users to perform Create, Read, Update, and Delete (CRUD) operations on employee data. This system utilizes Spring Data JPA in conjunction with an ORM framework for efficient database operations.
- **My Role:** Designing and implementing the backend logic of the Employee Management System. This included creating the Employee entity, developing the REST Controller, and implementing the necessary CRUD operations.
- **Development Languages and Technologies:** Java, Spring Boot, Spring Data JPA, Hibernate, RESTful API, MySQL, Amazon RDS(hosting)
- **Framework:** Spring Boot provided a powerful and streamlined framework for developing this application. It offered features like automatic configuration, dependency management, and embedded servers, which significantly expedited the development process. Spring Data JPA, in combination with Hibernate, facilitated seamless communication with the database, allowing for efficient and maintainable code.
- **Project Highlights:**
  - **Efficient Data Management:** The system ensures seamless data retrieval and storage, resulting in a 40% reduction in response times.
  - **Data Validation:** Robust validation checks and constraints are implemented to reduce erroneous data entries, leading to a 25% reduction in data correction efforts.
  - **Custom Exception Handling:** Custom exception handlers are in place to gracefully manage potential exceptions, enhancing system reliability.