

# Julia Schneider

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Port Elizabethland

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## Summary

Detail-oriented and innovative programmer with over 5 years of experience in developing robust applications and solutions. Proficient in a variety of programming languages, with a strong focus on Python and its frameworks. Passionate about leveraging machine learning to enhance user experiences and streamline processes. Eager to contribute to dynamic teams and tackle complex challenges in software development.

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## Skills

- **Python (Expert):** Extensive experience in developing scalable applications and automation scripts. Strong emphasis on clean, maintainable code.
  - **FastAPI (Expert):** Developed high-performance RESTful APIs, improving response times by 40% in various projects.
  - **MongoDB (Advanced):** Adept at designing and managing complex databases, optimizing queries, and ensuring data integrity.
  - **Machine Learning (Advanced):** Implemented machine learning algorithms for predictive analytics, resulting in a 30% increase in user engagement for key projects.
  - **C++ (Advanced):** Developed performance-critical applications, contributing to system-level programming and optimization.
  - **Flask (Beginner):** Familiar with building web applications using Flask, focusing on learning best practices and application structure.
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# Experience

## Software Engineer

**Tech Innovations Inc.**, Port Elizabethland

*January 2020 – Present*

- Led the development of a **Content Management System** that streamlined content distribution, resulting in a 50% reduction in time spent on updates.
- Collaborated with cross-functional teams to create a **Web Application** that integrates real-time data analytics, improving decision-making processes for stakeholders.
- Developed and deployed an **E-commerce Platform** that achieved \$200,000 in sales within the first quarter of launch through enhanced user experience and optimized checkout processes.
- Implemented a **Microservices Architecture** that improved system scalability and reduced downtime by 25%.

## Junior Developer

**NextGen Solutions**, Port Elizabethland

*June 2018 – December 2019*

- Assisted in the development of a **Mobile App** aimed at enhancing customer interaction, leading to a 15% increase in user retention.
  - Participated in the transition of legacy systems to a more agile framework, utilizing **FastAPI** for improved performance.
  - Supported the team in database management tasks using **MongoDB**, learning best practices in data modeling and query optimization.
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# Projects

- **Content Management System:** Designed a user-friendly interface and backend system, enabling non-technical users to manage content effortlessly.
- **Web Application:** Created a comprehensive dashboard for data visualization, integrating various APIs to display real-time statistics.

- **E-commerce Platform:** Developed a full-stack application with features like product categorization, payment integration, and user authentication.
  - **Microservices Architecture:** Transitioned monolithic applications to microservices, improving deployment speed and resource utilization.
  - **Mobile App:** Developed a cross-platform mobile application that allows users to track their health metrics, integrating machine learning for personalized recommendations.
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## Education

### Bachelor of Science in Computer Science

University of Port Elizabeth, Port Elizabethland

*Graduated: May 2018*

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## Certifications

- **Machine Learning Specialization** - Coursera (2022)
  - **MongoDB for Developers** - MongoDB University (2021)
  - **Python for Everybody** - Coursera (2020)
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## Personal Interests

In addition to my programming pursuits, I enjoy exploring the latest in AI technologies, contributing to open-source projects, and participating in hackathons to foster innovation and community engagement. I am also a passionate advocate for diversity in tech, actively mentoring aspiring female developers.