

Allison Duncan

East Shawnberg

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Summary

Detail-oriented and innovative programmer with over 5 years of experience in developing robust applications and scalable microservices. Proficient in a variety of programming languages and frameworks, with a strong focus on building efficient web applications and leveraging cloud solutions. Passionate about machine learning and data science, continuously seeking to enhance skills and implement cutting-edge technologies. Proven track record of delivering high-quality projects on time and within budget.

Experience

Software Engineer

Tech Innovations Inc.

East Shawnberg, January 2021 - Present

- Developed a **microservices architecture** for a large-scale e-commerce platform, improving system reliability by 30%. - Led the implementation of **FastAPI** and **Flask** for developing RESTful APIs, which reduced response time by 40%. - Collaborated with cross-functional teams to design and deploy a **Kubernetes**-based container orchestration solution, enhancing application deployment speed by 25%. - Mentored junior developers in **Vue.js** and **Node.js**, fostering a culture of learning and collaboration.

Junior Software Developer

Innovatech Solutions

East Shawnberg, June 2018 - December 2020

- Contributed to the development of a **mobile app** that achieved over 10,000 downloads within the first month of launch.
 - Assisted in creating a **web application** that streamlined internal workflows, resulting in a 15% increase in productivity.
 - Implemented data storage solutions using **PostgreSQL**, ensuring data integrity and performance optimization.
 - Participated in weekly code reviews and provided constructive feedback to peers.
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Skills

- **Flask:** Expert
 - **Machine Learning:** Advanced
 - **FastAPI:** Advanced
 - **Vue.js:** Advanced
 - **Go:** Intermediate
 - **Rust:** Intermediate
 - **JavaScript:** Intermediate
 - **PostgreSQL:** Expert
 - **Kubernetes:** Beginner
 - **Node.js:** Beginner
 - **Data Science:** Beginner
 - **AWS:** Beginner
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Projects

- **Mobile App:** Developed a cross-platform mobile application utilizing Flutter that provided users with personalized recommendations based on machine learning algorithms, achieving a 4.8-star rating on app stores.
- **Microservices Architecture:** Designed and implemented a microservices architecture for a healthcare application, which

allowed for independent scaling of services, leading to a 50% increase in user capacity.

- **Web Application:** Created an interactive web application for tracking personal fitness goals, integrating a user-friendly interface with real-time data visualization using **Flask** and **Vue.js**.
 - **API Gateway:** Developed an API gateway that routed requests to various microservices, ensuring secure and efficient communication, while also reducing system load by 20%.
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Certifications

- **Certified Kubernetes Administrator**
 - **Docker Certified Associate**
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Education

Bachelor of Science in Computer Science

University of East Shawnberg

Graduated May 2018

- Graduated with Honors (Cum Laude)
 - Relevant coursework: Data Structures, Software Engineering, Machine Learning, and Cloud Computing.
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Additional Information

- Passionate about open-source projects and actively contribute to GitHub repositories.
 - Enjoy attending tech meetups and conferences to stay updated with industry trends and network with professionals.
 - Avid learner, currently pursuing online courses in advanced data science and cloud architecture.
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