Nicholas O'Connor

East Crystalbury
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Summary

Detail-oriented and passionate programmer with over 5 years of experience in software development, specializing in microservices and cloud-based solutions. Proven expertise in developing scalable applications using modern frameworks and technologies. Adept at collaborating with cross-functional teams to deliver high-quality software that meets business needs. Eager to leverage my skills in a dynamic environment to contribute to innovative projects.

Experience

Senior Software Engineer

Tech Innovations Inc., East Crystalbury
June 2020 - Present
- Led the development of a **Microservices Architecture** for a large-scale e-commerce platform, resulting in a 30% increase in system performance and reliability. - Designed and implemented a **Payment Processing System** using **FastAPI** and **Docker**, which improved transaction speeds by 25%. - Collaborated with DevOps teams to automate deployment processes on **AWS**, enhancing the CI/CD pipeline efficiency by 40%. - Mentored junior developers in best practices for **Git** and **Docker**, fostering a culture of continuous learning and improvement.

Software Developer

Creative Solutions Ltd., East Crystalbury
January 2018 - May 2020

- Developed a robust **Content Management System** that supported dynamic content updates and real-time collaboration for over 100 users, increasing client satisfaction by 35%. - Contributed to a **Machine Learning Pipeline** project that utilized **Python** and **Redis**, resulting in predictive analytics features that boosted user engagement by 20%. - Enhanced existing web applications using **React** and **Angular**, achieving a responsive design that improved user experience across devices.

Skills

- **Java**: Intermediate
- **Data Science**: Beginner
- **Microservices**: Expert
- **DevOps**: Expert
- **FastAPI**: Expert
- **Redis**: Intermediate
- **Git**: Advanced
- **AWS**: Advanced
- **C++**: Advanced
- **React**: Advanced
- **Docker**: Advanced
- **Angular**: Advanced

Projects

- **Content Management System**

  Developed a CMS that allowed users to create, edit, and manage content seamlessly. Integrated user permission levels to enhance security.

- **Microservices Architecture**

  Architected a microservices-based application that increased deployment speed and reduced downtime during updates.

- **Payment Processing System**

  Created a real-time payment gateway that processed transactions within seconds, significantly reducing customer wait times.

- **Web Application**
  Built a responsive web application that served over 10,000 active users, incorporating user feedback to iterate on design and functionality continuously.

- **Machine Learning Pipeline**
  Implemented a machine learning pipeline that analyzed user behavior data to provide personalized content recommendations, increasing user engagement.

Education

Bachelor of Science in Computer Science

East Crystalbury University
Graduated: May 2017
- Relevant Coursework: Advanced Programming, System Design, Cloud Computing, Data Structures

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Certifications

- **Microsoft Azure Developer**
- **Google Cloud Professional**

Additional Information

- Passionate about open-source contributions and regularly participate in community coding events.
- Enjoys mentoring aspiring developers through local coding bootcamps and workshops.

Feel free to contact me for collaboration opportunities or if you wish to discuss innovative tech solutions!