Jacob Barnes

Email: ortizdaniel@example.org
Location: Lewischester

Summary

Detail-oriented and innovative programmer with over 5 years of experience in software development and DevOps practices. Proficient in building robust applications using Flask and Kubernetes, with a strong focus on microservices architecture. Passionate about leveraging technology to solve complex problems and improve system efficiency. AWS Certified Solutions Architect with a knack for creating scalable systems and a commitment to continuous learning.

Experience

Senior Software Engineer

Tech Innovations Inc. — Lewischester
June 2020 - Present
- Led the development of a **Real-time Chat System** using Flask and WebSocket technology, resulting in a 30% increase in user engagement. - Implemented a **Data Analytics Dashboard** that processed user data and provided actionable insights, increasing decision-making efficiency by 40%. - Spearheaded the migration of legacy applications to a **Microservices Architecture** using Docker and Kubernetes, which improved deployment speed by 50%.

Software Developer

Future Tech Solutions — Lewischester
January 2018 - May 2020
- Developed a **Payment Processing System** integrating with multiple payment gateways, achieving 99.9% uptime and enhancing transaction security. - Collaborated on a **Machine Learning Pipeline** project that utilized Redis for caching, which improved data retrieval times by 25%. - Assisted in the transition to DevOps practices, utilizing Jenkins for CI/CD, which reduced deployment times from hours to minutes.

Skills

- **Flask**: Expert
- **Kubernetes**: Expert
- **DevOps**: Expert
- **Docker**: Advanced
- **Redis**: Intermediate
- **Machine Learning**: Intermediate
- **React**: Intermediate
- **Angular**: Beginner
- **Vue.js**: Beginner
- **Git**: Beginner
- **Microservices**: Intermediate
- **Jenkins**: Advanced

Projects

- **Real-time Chat System**: Developed using Flask and WebSocket, enhancing real-time communication for users.
- **Data Analytics Dashboard**: Created a dashboard that visualizes analytics data, helping stakeholders make informed decisions.
- **Machine Learning Pipeline**: Engineered a data pipeline for training machine learning models, optimizing data flow and processing.

- **Payment Processing System**: Designed to handle secure transactions with multiple gateways, ensuring reliability and security for users.
- **Web Application**: Built a responsive web application using React, providing users with an intuitive interface and seamless experience.

Education

Bachelor of Science in Computer Science
University of Lewischester
Graduated: May 2017
- Relevant Coursework: Data Structures, Algorithms, Software Engineering, Machine Learning.

Certifications

- **AWS Certified Solutions Architect** - Amazon Web Services
  Achieved: July 2021

Additional Information

- Actively participate in local tech meetups and hackathons to continuously improve skills and network with professionals.
- Passionate about mentoring junior developers and sharing knowledge within the community.