Michael Hicks

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Location: Lake Diana

Summary

Dedicated and results-driven programmer with over 5 years of experience in software development and DevOps practices. Proficient in developing scalable applications and automating processes to enhance efficiency. A strong advocate for agile methodologies and continuous improvement, with proven expertise in managing complex projects and leading cross-functional teams. Passionate about leveraging technology to solve real-world problems, particularly in the fields of finance and data science.

Experience

Software Engineer

Tech Solutions Inc., Lake Diana
March 2020 - Present

- Spearheaded the development of a **Payment Processing System** that improved transaction speeds by 30% and reduced operational costs by 15%.
- Collaborated with a team of 10 developers to implement CI/CD pipelines using Docker and Kubernetes, enhancing deployment efficiency by 40%.
- Leveraged **MySQL** for database management, optimizing queries that reduced data retrieval times by 25%.

- Mentored junior developers in **TypeScript** and **Vue.js**, fostering a collaborative learning environment that increased team productivity.

Junior Developer

Innovatech Corp., Lake Diana
June 2018 - February 2020

- Assisted in the design and implementation of a **Machine Learning Pipeline** that processed and analyzed large datasets, contributing to a 20% increase in predictive accuracy for client projects.
- Developed user-friendly web applications using **JavaScript** and **Vue.js**, improving user experience and engagement metrics.
- Participated in daily stand-ups and sprint planning as part of the Scrum team, ensuring alignment with project timelines and deliverables.

Skills

- **DevOps:** Advanced
- **MySQL:** Advanced
- **Go:** Intermediate
- **TypeScript:** Intermediate
- **JavaScript:** Intermediate
- **Vue.js:** Intermediate
- **Machine Learning:** Beginner

Projects

- **Machine Learning Pipeline**
  Developed a robust pipeline that integrated data collection, processing, and model training. Utilized **Python** and **TensorFlow**, achieving a predictive accuracy improvement of 20% for financial forecasting.

- **Payment Processing System**
  Led the initiative to create a secure and efficient payment processing platform. Implemented features like real-time transaction tracking and fraud detection, resulting in a 30% increase in transaction speed.

Certifications

- **Scrum Master Certification**
  Certified by Scrum Alliance, demonstrating expertise in agile project management and team facilitation.

- **Docker Certified Associate**
  Recognized for proficiency in utilizing Docker for containerization and application deployment, significantly enhancing development workflows.

Education

Bachelor of Science in Computer Science
Lake Diana University, Lake Diana
Graduated: May 2018

- Relevant Coursework: Data Structures, Algorithms, Database Management, Machine Learning
- Dean's List: 2016, 2017

Personal Projects

- Developed a personal budgeting application using **Vue.js** and **MySQL**, allowing users to track expenses and savings with a user-friendly interface.
- Created a small-scale machine learning model to predict housing prices using a dataset from Kaggle, enhancing my understanding of data preprocessing and model evaluation techniques.

References available upon request.