

# Robert Pena

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East Jared

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## Summary

Dedicated and results-driven programmer with over 5 years of experience in software development and data science. Proficient in building scalable web applications using advanced technologies such as React and TypeScript. Aiming to leverage strong analytical skills and a solid foundation in PostgreSQL and MySQL to contribute to innovative projects. Passionate about continuous learning and growth in DevOps and microservices architecture.

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## Experience

### Software Engineer

**Tech Innovations Inc.** – East Jared

*January 2020 – Present*

- Developed and maintained complex web applications using **React** and **TypeScript**, enhancing user experience and performance by 30%. - Collaborated with cross-functional teams to design a **Microservices Architecture** that improved system scalability and reduced deployment time by 40%. - Implemented database solutions using **PostgreSQL**, optimizing queries and improving data retrieval speed by 25%.

### Data Scientist

**Future Analytics Ltd.** – East Jared

*June 2018 – December 2019*

- Designed and developed a **Machine Learning Pipeline** that increased prediction accuracy by 20%, enabling more informed business decisions. - Utilized **Python** for

data analysis and model development, effectively handling large datasets and automating data processing tasks. - Worked with stakeholders to integrate data science insights into existing applications, which enhanced product features and increased user engagement by 15%.

## Junior Developer

**Web Solutions Co.** – East Jared

*August 2016 – May 2018*

- Assisted in the development of client-side applications using **React**, contributing to projects that received positive feedback for user interface design. - Gained foundational knowledge in **DevOps** practices, participating in CI/CD pipeline setups and basic infrastructure management. - Supported database management tasks using **MySQL** and contributed to improving system efficiency.

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## Skills

- **TypeScript:** Advanced
  - **PostgreSQL:** Advanced
  - **React:** Advanced
  - **Data Science:** Intermediate
  - **Python:** Intermediate
  - **MySQL:** Intermediate
  - **DevOps:** Beginner
  - **Microservices:** Beginner
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## Projects

### Microservices Architecture

- Led a team to design and implement a microservices architecture for an e-commerce platform, reducing downtime and improving system reliability. Utilized a combination of **Docker** and **AWS** services to streamline deployment processes.

## Machine Learning Pipeline

- Developed a comprehensive machine learning pipeline for predictive analytics in retail, which successfully identified customer buying patterns. This project resulted in a 15% increase in sales forecasts accuracy.
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## Certifications

- Microsoft Azure Developer
  - Docker Certified Associate
  - AWS Certified Solutions Architect
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## Education

### Bachelor of Science in Computer Science

**East Jared University** – East Jared

*Graduated: May 2016*

- Relevant coursework: Data Structures, Algorithms, Database Management, Machine Learning
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## References

Available upon request.