

# Katrina Farmer

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Cairo, Egypt

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## Summary

Enthusiastic and detail-oriented programmer with over 5 years of experience in software development. Adept at designing and implementing robust applications using a variety of programming languages and frameworks. Passionate about delivering high-quality code and improving user experience. Proven ability to work in fast-paced environments and collaborate with cross-functional teams to achieve project objectives.

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## Experience

### Senior Software Developer

Tech Innovations Inc., Cairo, Egypt

*June 2021 - Present*

- Led a team of 5 in developing an **E-commerce Platform** that increased sales by 30% within the first quarter of launch, utilizing **Advanced React** for the frontend and **Advanced MySQL** for backend database management.
- Designed and implemented an **API Gateway** that streamlined communication between microservices, reducing latency by 40% and improving system scalability.
- Spearheaded the integration of **Redis** for caching, resulting in a 50% performance improvement on data retrieval times.

### Software Engineer

Digital Solutions Co., Cairo, Egypt

*January 2019 - May 2021*

- Developed a **Real-time Chat System** using **Flask** and **PostgreSQL**, which

handled over 10,000 concurrent users. - Collaborated with UX/UI designers to enhance user interface designs, resulting in a 25% increase in user engagement. - Contributed to a cross-departmental project that migrated legacy systems to AWS, improving system reliability and uptime by 99.9%.

### **Junior Developer**

CodeCrafters Ltd., Cairo, Egypt

*August 2017 - December 2018*

- Assisted in the development and maintenance of various applications, particularly focusing on **Python** and **MySQL**. - Engaged in code reviews and team meetings, fostering a culture of continuous learning and improvement.

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## **Skills**

- **Node.js**: Intermediate
  - **Rust**: Expert
  - **MySQL**: Advanced
  - **Git**: Expert
  - **React**: Advanced
  - **PostgreSQL**: Expert
  - **Flask**: Advanced
  - **Python**: Advanced
  - **Redis**: Advanced
  - **AWS**: Intermediate
  - **MongoDB**: Advanced
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## **Projects**

### **API Gateway**

- Developed a scalable API Gateway that enhanced service communication in microservices architecture, leading to a 40% reduction in response times.

### **E-commerce Platform**

- Architected and implemented a full-featured e-commerce platform with advanced

search capabilities and user account management, resulting in a 30% increase in sales in the first three months.

### Real-time Chat System

- Built a robust real-time chat application with features such as message persistence and user notifications, achieving over 10,000 active users daily.

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## Certifications

- Certified Kubernetes Administrator
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## Education

### Bachelor of Science in Computer Science

Cairo University, Cairo, Egypt

*Graduated: June 2017*

- Graduated with Honors, specializing in Software Development and Database Management.  
- Completed capstone project on cloud-based application deployment.

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## Professional Affiliations

- Member of the Cairo Software Development Community
  - Regular participant in local hackathons and coding bootcamps, promoting knowledge sharing and collaboration among developers.
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## Personal Interests

- Passionate about open-source software; actively contribute to various projects on GitHub.
- Enjoys participating in tech meetups and seminars to stay updated with industry trends and network with fellow developers.