

# Emma Roberts

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[Email](#) | [LinkedIn](#) | [GitHub](#)

Location: City, State, Country

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## Summary

Enthusiastic and driven Platform Developer with over 1.5 years of professional experience in designing, developing, and maintaining scalable platform solutions. Proficient in Python, Java, and SQL with a strong understanding of cloud computing, microservices architecture, and DevOps practices. Proven ability to work collaboratively in Agile environments, delivering high-quality software solutions that meet business needs. Committed to continuous learning and leveraging new technologies to enhance platform performance and functionality.

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## Skills

### Languages & Technologies:

- Python, Java, JavaScript
- SQL, NoSQL (PostgreSQL, MongoDB)
- RESTful APIs, GraphQL
- JSON, XML

### Frameworks & Libraries:

- Django, Flask
- Spring Boot
- Express.js
- SQLAlchemy, Hibernate

### Tools & Platforms:

- Git, GitHub
- Docker, Kubernetes
- AWS, Azure
- Jenkins, CircleCI
- Terraform, Ansible

### Other:

- Agile/Scrum methodologies
  - Microservices architecture
  - CI/CD pipelines
  - Infrastructure as Code (IaC)
  - Unit and Integration Testing
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# Professional Experience

## Platform Developer

### Tech Solutions Inc., City, State

January 2023 - Present

- Developed and maintained platform services using Python and Django, ensuring high performance and scalability.
- Designed and implemented RESTful APIs to facilitate communication between various platform components and external systems.
- Managed and optimized database schemas using PostgreSQL and MongoDB, ensuring efficient data storage and retrieval.
- Collaborated with frontend developers, product managers, and QA engineers to define requirements, establish timelines, and deliver features in an Agile environment.
- Implemented CI/CD pipelines using Jenkins and CircleCI, reducing deployment time and improving release cycles.
- Deployed applications to cloud platforms (AWS, Azure), ensuring reliable and scalable infrastructure.

#### Key Projects:

- **Cloud Management Platform:** Developed core components of a cloud management platform, enabling users to provision, monitor, and manage cloud resources across multiple providers.
- **Data Integration Service:** Built a data integration service using Python and Flask, facilitating the seamless import and export of data between different systems.

## Junior Platform Developer

### Innovative Platforms Ltd., City, State

June 2022 - December 2022

- Assisted in the development of platform services using Java and Spring Boot, ensuring robustness and scalability.
- Implemented user authentication and authorization mechanisms, ensuring secure access to platform features.
- Designed and optimized SQL queries to improve database performance and reduce response times.
- Participated in debugging and troubleshooting issues, providing timely resolutions to ensure platform stability.
- Worked on feature enhancements and bug fixes, contributing to the overall functionality and performance of the platform.
- Collaborated with cross-functional teams to gather requirements, design solutions, and deliver high-quality software.

#### Key Projects:

- **API Gateway:** Assisted in the development of an API gateway, providing a unified interface for accessing various platform services and enhancing security and performance.
- **Monitoring and Alerting System:** Contributed to the creation of a monitoring and alerting system, enabling real-time tracking of platform performance and automated issue notifications.

## Education

### Bachelor of Science in Computer Science

University of Technology, City, State

*Graduated: May 2022*

#### Relevant Coursework:

- Data Structures and Algorithms
  - Database Management Systems
  - Software Engineering
  - Cloud Computing
  - Operating Systems
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## Certifications

- **Python for Everybody Specialization** - Coursera
  - **Java Programming and Software Engineering Fundamentals** - Coursera
  - **AWS Certified Developer – Associate** - Amazon Web Services
  - **Google Cloud Professional Cloud Developer** - Google Cloud
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## Projects

### Cloud Resource Manager

- Developed a cloud resource manager using Django and Django REST Framework, allowing users to provision and manage cloud resources across AWS, Azure, and GCP.
- Implemented authentication and authorization using OAuth2, ensuring secure access to user accounts and cloud resources.
- Used Terraform for infrastructure as code (IaC), enabling automated provisioning and management of cloud infrastructure.
- Deployed the application on AWS, ensuring high availability and scalability.

### API Management Platform

- Built an API management platform with Flask, providing tools for creating, monitoring, and managing APIs.
- Implemented rate limiting, API key management, and usage analytics to ensure efficient and secure API usage.
- Used PostgreSQL for data storage and Docker for containerization, ensuring easy deployment and scalability.

### Real-Time Monitoring System

- Created a real-time monitoring system using Node.js and Express.js, allowing users to track and visualize platform performance metrics.
- Implemented WebSocket for real-time communication and data updates.
- Designed and optimized MongoDB schemas to handle large volumes of time-series data efficiently.

- Deployed the application on Heroku and used Redis for session management and caching.
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## Volunteer Experience

### Tech Mentor

#### **Code5Good, City, State**

*September 2022 - Present*

- Mentored aspiring platform developers, providing guidance on best practices, project development, and career growth.
  - Conducted workshops and coding sessions to teach fundamental and advanced platform development concepts.
  - Assisted in organizing hackathons and coding competitions to promote coding literacy and community engagement.
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## Hobbies & Interests

- **Open Source Contribution:** Actively contribute to open-source projects on GitHub, collaborating with developers worldwide to improve and maintain software.
  - **Tech Blogging:** Write technical articles and tutorials on platform development topics, sharing knowledge and insights with the developer community.
  - **Travel:** Enjoy traveling and exploring new cultures, using experiences to gain new perspectives and inspiration for creative solutions.
  - **Reading:** Passionate about reading, particularly books on technology, software development, and personal growth.
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## References

Available upon request.