

Joshua Barron

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Location: Tokyo, Japan

Summary

Dynamic and results-oriented software engineer with over 5 years of experience in developing scalable web applications and microservices. Proven expertise in leveraging AWS and Kubernetes for deploying and managing cloud-based applications. Passionate about machine learning and data science, with a strong background in Java and JavaScript development. A collaborative team player with a knack for problem-solving and delivering high-quality software solutions.

Experience

Senior Software Engineer

Tech Innovations Ltd. - Tokyo, Japan

March 2021 - Present

- Led the development of a **Microservices Architecture** for a high-traffic content management system that improved deployment time by **40%**.
- Collaborated with data scientists to implement **machine learning** algorithms that enhanced user personalization, resulting in a **25% increase** in user engagement.
- Managed CI/CD pipelines using **Jenkins** to automate testing and deployment processes, reducing release times by **30%**.

Software Engineer

NextGen Solutions - Tokyo, Japan

June 2018 - February 2021

- Developed and maintained a **Payment Processing System** that handled over **10,000 transactions** daily, ensuring compliance with security standards.
- Implemented a robust **MySQL** database architecture which improved data retrieval times by **50%**.
- Participated in code reviews and mentoring of junior developers in **Git** and **Docker** best practices.

Junior Developer

Innovative Tech Co. - Tokyo, Japan

January 2017 - May 2018

- Contributed to the development of a **Web Application** using **Angular** and **JavaScript**, enhancing user interface experiences for over **5,000 users**.
 - Assisted in deploying applications on **AWS**, gaining hands-on experience with cloud services and resource management.
 - Collaborated closely with cross-functional teams to troubleshoot and resolve software issues, improving system reliability.
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Skills

- **Microservices:** Expert
- **Machine Learning:** Advanced
- **Jenkins:** Intermediate
- **MySQL:** Intermediate
- **AWS:** Advanced
- **Git:** Advanced
- **Data Science:** Advanced
- **Angular:** Intermediate
- **JavaScript:** Intermediate
- **Kubernetes:** Expert
- **Docker:** Intermediate

- **Java:** Advanced
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Projects

- **Web Application:** Developed a responsive web application for managing user data, achieving a **95% satisfaction rate** from users.
 - **Microservices Architecture:** Designed a microservices architecture for a content management system that reduced system downtime by **50%**.
 - **Content Management System:** Built a CMS that supports real-time collaboration, driving a **15% increase** in content production efficiency.
 - **Payment Processing System:** Architected a secure payment gateway that processed payments with a **99.9% uptime**.
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Education

Bachelor of Science in Computer Science
Tokyo University of Technology - Tokyo, Japan
Graduated: 2016

Certifications

- **AWS Certified Solutions Architect – Associate (2022)**
 - **Machine Learning with Python (Coursera, 2021)**
 - **Kubernetes Administrator Certification (2020)**
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References

Available upon request.