

# Hamilton Wang

Winnipeg, Manitoba, Canada

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## Summary

- Full-stack web developer with over 5 years of experience specializing in building robust and scalable web applications.
- Designed and implemented an online learning system in China using React, SpringBoot, and Alibaba Cloud, demonstrating versatility in working with diverse tech stacks and cloud platforms.
- Orchestrated the migration of a legacy application to a microservices architecture using Spring Boot and AWS Lambda, improving system scalability and reducing operational costs by 25%.
- Developed a cost-effective shipping platform for a small company in Winnipeg, leveraging serverless technologies to achieve near-zero hosting fees, showcasing ability to optimize solutions for startups.
- Hold AWS Certified Solutions Architect - Professional and DevOps Engineer - Professional certifications; currently pursuing a Web Application Development Post-Degree Diploma at The University of Winnipeg (PACE).

## Experience

### Qingdao Ruishi Yanchuang Network Technology Co., Ltd. • On-Call

Qingdao, Shandong, China

DevOps Developer

Aug 2021 - Present

- Implemented and maintained CI/CD pipelines using Jenkins and GitLab CI, reducing deployment time by 40% and increasing release frequency.
- Designed and implemented a comprehensive monitoring and alerting system using Prometheus and Grafana, improving system reliability and reducing downtime by 30%.
- Optimized cloud infrastructure costs by implementing auto-scaling policies and right-sizing resources, resulting in a 20% reduction in monthly AWS expenses.
- Conducted regular security audits and implemented best practices, enhancing the overall security posture of the company's applications and infrastructure.

### Qingdao Eastsoft Communication Technology Co., Ltd. • Permanent Full-time

Qingdao, Shandong, China

Java Developer

Aug 2023 - Feb 2024

- Customized and extended Kingdee EAS financial sharing platform, enhancing project management and media management modules through secondary development, resulting in a 25% improvement in project tracking efficiency.
- Developed ITR mobile services using Spring, Spring MVC, MyBatis, and Redis, implementing RESTful APIs that increased mobile app performance by 40%.
- Managed full software development lifecycle for 3 major projects, from requirements analysis to deployment, reducing time-to-market by an average of 2 weeks per project.
- Collaborated with cross-functional teams using agile methodologies, increasing sprint completion rate from 80% to 95% over 6 months.
- Optimized database queries and implemented Redis caching, reducing average response time for critical features by 30% and improving overall system performance.

### Qingdao Youshirui Network Technology Co., Ltd. • Permanent Full-time

Qingdao, Shandong, China

Java Developer

May 2019 - Jul 2021

- Developed and maintained core functionalities for an online learning system using React, SpringBoot, and Alibaba Cloud, demonstrating versatility in working with diverse tech stacks and cloud platforms.
- Implemented RESTful APIs and microservices architecture to improve system modularity and scalability, resulting in a 35% increase in application performance.
- Collaborated with cross-functional teams to design and implement new features, contributing to a 25% increase in user engagement.
- Optimized database queries and implemented caching mechanisms, reducing average response time by 40%.
- Led a team of 3 junior developers, providing mentorship and code reviews to improve overall code quality and team productivity.

### Qingdao Lianxin Network Technology Service Co., Ltd. • Permanent Full-time

Qingdao, Shandong, China

Java Developer

Mar 2018 - Feb 2019

- Developed new collection system architecture using Spring Boot and Spring Cloud for modular design and code reuse.
- Implemented performance tracking module, learning center module, and search center module.
- Designed and coded modules with focus on modularity and code reuse to enable efficient system enhancement.
- Collaborated with team to deliver collection system that met requirements for scalability and extensibility.

### Qingdao Full Time Fitness Health Management Co., Ltd. • Permanent Full-time

Qingdao, Shandong, China

Java Developer

Aug 2022 - Jan 2023

- Developed and implemented a member management system using Java and Spring framework, improving gym operations efficiency by 30%.
- Designed and integrated a real-time workout tracking feature into the existing mobile app using RESTful APIs, resulting in a 25% increase in daily active users within the first month of launch.

# Skills

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Back-end	Spring Boot, Spring Cloud, Express, REST API
Front-end	React, Next.js, Vue, HTML5, CSS3, LESS, SASS, TailwindCSS, Ant Design, Element UI
Database	MySQL, PostgreSQL, Oracle, MongoDB, DynamoDB, Redis, Elasticsearch
Programming	Node.js, Python, Java, JavaScript, LaTeX
DevOps	AWS, Alibaba Cloud, Docker, Kubernetes, Rancher, Jenkins, GitHub Actions, GitLab CI/CD, Prometheus, Grafana
Version Control	Git, SVN
Languages	Chinese, English

# Education

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University of Winnipeg	Winnipeg, Manitoba, Canada
Web Application Development	May 2024 - Present
<ul style="list-style-type: none"><li>Developed a React-based e-commerce web application for an art gallery, implementing features such as user authentication, shopping cart functionality, and integration with Appwrite backend services.</li><li>Created a shipping and logistics management system using React and Ant Design Pro for the frontend, integrating with a Node.js backend and AWS services, achieving near-zero hosting fees and showcasing ability to optimize solutions for startups.</li></ul>	
Qingdao University	Qingdao, Shandong, China
Bachelor's degree, Engineering	Sep 2013 - Jun 2017

# Certificates

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2024	AWS Certified DevOps Engineer – Professional, Amazon Web Services (AWS)
2024	AWS Certified Solutions Architect – Professional, Amazon Web Services (AWS)
2024	AWS Certified SysOps Administrator – Associate, Amazon Web Services (AWS)
2024	AWS Certified Developer – Associate, Amazon Web Services (AWS)
2024	AWS Certified Solutions Architect – Associate, Amazon Web Services (AWS)
2024	AWS Certified Cloud Practitioner, Amazon Web Services (AWS)

# Honors & Awards

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DOMESTIC AWARDS		
2024	2nd Place, Builder's League: "Hackathons Changing the World"	Winnipeg, Manitoba, Canada