# Alexandra Chen

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# **Professional Summary**

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Results-driven Software Engineer with 5+ years of experience developing scalable web applications and leading cross-functional teams. Expertise in full-stack development, cloud architecture, and agile methodologies. Passionate about creating user-centric solutions that drive business growth and improve operational efficiency.

# **Work Experience**

# Senior Software Engineer | TechFlow Solutions | March 2022 - Present

- Led development of microservices architecture serving 2M+ daily active users, resulting in 40% improvement in system performance
- Collaborated with product managers and designers to implement new features, increasing user engagement by 25%
- Mentored 3 junior developers and established code review processes that reduced bug reports by 30%
- Technologies: React, Node.js, PostgreSQL, AWS, Docker, Kubernetes

# Software Engineer | InnovateCorp | June 2020 - February 2022

- Developed and maintained customer-facing web applications using modern JavaScript frameworks
- Implemented automated testing strategies that improved code coverage from 60% to 95%
- Optimized database queries and API endpoints, reducing average response time by 50%
- Participated in on-call rotation and incident response procedures
- Technologies: Vue.js, Python, MySQL, Jenkins, Git

### Junior Developer | StartupXYZ | August 2019 - May 2020

- Built responsive web interfaces and integrated third-party APIs
- Contributed to migration from monolithic to microservices architecture
- Assisted in deployment automation using CI/CD pipelines
- Technologies: HTML/CSS, JavaScript, Flask, MongoDB

## Education

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# Bachelor of Science in Computer Science | University of Washington | 2015 - 2019

- **GPA:** 3.7/4.0
- Relevant Coursework: Data Structures, Algorithms, Database Systems, Software Engineering
- Activities: ACM Student Chapter Secretary, Hackathon Team Lead

#### **Technical Skills**

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**Programming Languages:** JavaScript, Python, Java, TypeScript, SQL **Frontend Technologies:** React, Vue.js, HTML5, CSS3, Sass, Webpack **Backend Technologies:** Node.js, Express, Flask, Django, REST APIs

Databases: PostgreSQL, MySQL, MongoDB, Redis

**Cloud & DevOps:** AWS (EC2, S3, RDS), Docker, Kubernetes, Jenkins, Git **Testing:** Jest, Pytest, Selenium, Unit Testing, Integration Testing

## Certifications

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- AWS Certified Solutions Architect Associate | AWS | 2023
- Certified Kubernetes Administrator (CKA) | CNCF | 2022

# **Projects**

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### E-Commerce Platform Redesign

Led frontend development for complete platform overhaul serving 100K+ users. Implemented modern React architecture with TypeScript, resulting in 35% faster page load times and improved accessibility scores.

### **Real-Time Analytics Dashboard**

Built comprehensive monitoring solution using React, D3.js, and WebSocket connections. Enabled real-time visualization of system metrics for operations team.

### Open Source Contribution - DataViz Library

Active contributor to popular data visualization library with 10K+ GitHub stars. Implemented new chart types and improved documentation.

## Languages

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• **English:** Native

• Mandarin: Conversational

• Spanish: Basic