Amy Chen

Versatile Full-Stack Developer with a strong foundation in OOP (Java/.NET), cross-disciplinary business insight, and a proven ability to take initiative, learn, and adapt quickly.

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Experience

Peloton Technologies   **Sept 2023 - Present**
Software Developer
🔗 peloton-technologies.com

- Led development of a <u>self-serve Currency Exchange feature</u>, including Figma UI design mockups, stakeholder consultations, and final implementation in .NET and TypeScript. Integrated with the RBC Currency Exchange API and identified critical risk factors to ensure robust delivery.
- Automated sales commission ingestion by designing and implementing a .NET Entity Framework Core solution to import Excel templates into SQL. Ensured data integrity and seamless deployment for leadership reporting. Incorporated stakeholder feedback through strong communication and continuous iteration.
- Developed a modern WooCommerce PHP plugin integrating internal APIs and webhooks, accompanied by a detailed installation guide that secured a key client contract.
- Implemented automated email payment reminders with customizable templates. Collaborated with Marketing and Sales to refine messaging and enhance usability.
- Contributed to major migration of flagship production application from .NET Framework 4.8 to .NET 8.0, ensuring a seamless transition.
- Proactively conducting code reviews and providing feedback while applying critical analysis and thorough testing.
- Facilitated weekly triage of all bugs, assessing impact and urgency to inform sprint planning and flag showstoppers.
- Authored developer logs to improve clarity and cross-team transparency regarding new features and bug fixes.

Article   **May 2022 - Aug 2022**
Full-Stack Engineer (Co-op)
🔗 article.com

- Investigated production issues reported by internal teams and resolved bugs by auditing AWS CloudWatch logs and the production database, improving Java Spring backend stability.
- Worked with cloud technologies in a complex microservice architecture, gaining experience across distributed systems.
- Designed JUnit and Mockito tests to increase backend logic coverage and ensure reliability through automation.
- Modified API endpoints and Kafka topics to enhance event-driven microservice communication; updated Vue frontend to reflect changes and improve visibility.
- Tested API behavior using Postman and queried the production SQL database to audit data integrity and flow.
- Documented internal architecture, microservices, and M1 chip development setup challenges to support onboarding and cross-team alignment.

Royal Bank of Canada   **Sept 2021 - Apr 2022**
Software Developer (Co-op)
🔗 rbcroyalbank.com

- Developed a multi-folder Cloud Backup feature with a progress-loading bar, and a browser cache deletion tool using PowerShell scripting with a React frontend.
- Integrated SQLite into a Java desktop application to centralize app usage analytics and improve data collection.
- Delivered features and bug fixes on Windows (Java, C#, PowerShell) and ported core functionality to a new web application (React, Node.js, Electron).
- Promoted maintainable code practices by consolidating redundant CSS and removing hardcoded translations for improved scalability.

Education

University of British Columbia   **Sept 2020 - Dec 2023**
                                                                                          Bachelor of Computer Science

University of Victoria   **Sept 2014 - Dec 2018**
                                                                                               Bachelor of Commerce

Volunteering

Bachelor of Computer Science Student Association   **Jan 2021 - Dec 2021**
Treasurer & Hackathon Organizer

UVic Community Volunteer Income Tax Program (CRA)   **Jan 2018 - May 2018**
Director of Marketing