LUCY DU | JUNIOR SOFTWARE DEVELOPER

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SUMMARY

- Focused junior software developer with strong foundation in full stack web development and experience programming on various platforms.
- Skilled in identifying problem areas, recognizing the impact on the business and users, and prioritizing the implementation of appropriate solutions.
- Earned reputation for consistently meeting project deadlines.

TECHNICAL SKILLS

Languages:	C#, HTML, CSS, JavaScript, SQL
Development Frameworks:	.NET Core (MVC), React, React Native, Angular, Node.js, Vue.js,
Databases:	MS SQL Server, MySQL, MongoDB, DynamoDB, PostgreSQL
Cloud Services:	Amazon Web Services, Mongo Atlas

EDUCATION AND TRAINING

BCIT (Certificate expected in May 2024)   Sept. 2024 — Present
Software Systems Development Program   Vancouver, BC

Bachelor — Degree of E–Commerce   June 2006
University of Electronic Science and Technology   ChengDu, China

TECHNICAL EXPERIENCE

Heymate   May 2025
Team Lead — BCIT Industry Client Project   Vancouver, BC

Led a team of 3 students through the full SDLC—from requirement gathering to development, testing, and delivery.

- Developed the shopping cart backend, implementing 12 RESTful API endpoints across three controllers: RetailStoreController, RetailCartController, and RetailProductController.
- Designed and created two SQL Server tables: RetailCart and RetailCartItem, and implemented two stored procedures to handle core operations.
- Applied the DTO pattern to ensure clean separation between data models and API contracts.
- Collaborated with the frontend team during integration testing, resolving issues and verifying data flow across components.
- Managed version control using Bitbucket, handling branch strategy, code reviews, merges.

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Movie

Mar 2025

Key person — BCIT Internal Project

Vancouver, BC

Developed and deployed a full–stack movie web application using React.js for the frontend and Node.js/Express.js for the backend.

- Implemented dynamic movie filtering features, including:
  Popular, Top Rated, Now Playing, Upcoming.. and Filter by Year
- Enabled users to add movies to Favorites and Watch Later lists, with persistent data storage using DynamoDB.
- Deployed the app using AWS Elastic Beanstalk, integrated with EC2 instances, and managed media storage with S3.
- Styled the frontend with Sass, ensuring a clean, responsive, and engaging UI.

PeakMotion

Feb 2025

Key person — BCIT Internal Project

Vancouver, BC

Developed a full–featured e–commerce website for selling sportswear using ASP.NET Core MVC for the backend, and Bootstrap with custom CSS for a responsive and modern frontend design.

- Designed system flow through detailed use case diagrams and Entity Relationship Diagram (ERD).
- Implemented essential user features:
  Product display, checkout, place order, and payment pages.....
- Developed admin functionality to edit product details, including name, description, images, categories, colors, and sizes.
- Integrated SendGrid for automated email notifications (e.g., order confirmation, welcome emails).
- Implemented PayPal for secure online payment processing.

WORK EXPERIENCE

Foggix

Jan. 2023 — Jun. 2024

Full–Stack Developer (part time)

Richmond, BC

Reporting to Project Manager, accountable for code development for supporting the operation of over 200 elevators to ensure efficient and reliable vertical transportation.

- Developed and maintained a full–stack elevator monitoring platform to enhance operational efficiency, using Vue.js for the front end, PostgreSQL for data storage, and Node.js for backend services, delivering a scalable, real–time monitoring solution.
- Built an automated fault detection and work order system, reducing maintenance response time.
- Integrated real–time alerting via Message Queuing (MQ) to automate issue resolution workflows.

Holinova

Software Engineer (full time)

Oct. 2022 — Dec. 2022
Richmond, BC

Reporting to Project Manager, worked on integrating Odoo CRM and Inventory with the Holinova system to ensure smooth data syncing and system reliability.

- Designed and implemented ETL (Extract, Transform, Load) processes for data integration.
- Developed an automation testing framework using Python to improve software reliability.
- Created and optimized test scripts for ERP ODOO to ensure system stability.

ADDITIONAL INFORMATION

Other Skills:	Speak, Read and Write English and Chinese
Interests:	Kick–boxing, PingPang, Tennis, and Running