# Mahim Chaudhary

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## EDUCATION

**Simon Fraser University**                                                                                    Burnaby, BC
*Bachelor of Science in Computing Science*                      *Sep. 2021 – Expected Graduation Date: Dec. 2026*
- Relevant Coursework: Data Structures and Algorithms, Database Systems, Probability and Computing

## EXPERIENCE

**Software Engineer Intern**                                                                           May 2025 – Aug. 2025
*Amazon | Kotlin, TypeScript, AWS (Lambda, DynamoDB, API Gateway, CloudWatch, EventBridge)*        *Vancouver, BC*
- Designed and implemented an **Issue Management System** that monitors aggregated financial data, triggers alarms, and sends notifications, enabling **1000+ accountants** and multiple source teams to resolve critical issues in a timely manner
- Developed **backend services in Kotlin** and **frontend components in TypeScript**, including tables with advanced filters and validated forms for authorized users
- Leveraged **AWS Lambda** for complex workflows and CRUD operations on **DynamoDB**, scheduled hourly monitoring with **EventBridge**, and configured **API Gateway** endpoints with secure roles
- Integrated **CloudWatch metrics** to monitor error rates, latency, and endpoint health, improving observability and system reliability
- Achieved over **90% test coverage** by writing comprehensive unit and integration tests, and deployed and validated the system through the **AWS console**
- Collaborated with the product team to gather requirements, created and reviewed **high/low-level designs**, demoed the solution, and documented the Issue Management System with a detailed knowledge transfer guide

**Software Engineer Intern**                                                                           May 2024 – Dec. 2024
*Electronic Arts | Angular, C#, GitLab, MySQL, RESTful APIs, Jira, Jenkins, Postman*                   *Vancouver, BC*
- Improved tools portal performance by **24%** through bug fixes and the addition of new features using **Angular and ASP.NET Core**, based on user stories provided by the content production team
- Reduced data flow errors by **30%** and enhanced state management in Angular applications by utilizing **NgRx Store**, while adhering to **SOLID principles** for a robust and scalable architecture
- Streamlined data retrieval and submission by designing and implementing **RESTful APIs** for fetching supported environments for a given game title, using **Postman** for testing
- Implemented the storage and management of all user activities, such as item grants, utilizing **MySQL** for efficient data handling and **ILogger** for comprehensive logging and monitoring
- Achieved an average of **86%** test coverage across **9 FC Live Tools** projects by creating and optimizing unit tests for complex scenarios using **NUnit** and mocking techniques.
- Enhanced project management and team collaboration by conducting **code reviews**, participating in sprint planning and retrospectives, and utilizing **Jira** and **Miro**

**Front End Web Developer**                                                                            Aug. 2023 – Apr.2024
*CJSF 90.1FM | JavaScript, CSS, HTML, Drupal CMS, GitLab*                                               *Burnaby, BC*
- Developed and maintained a fully responsive **fundraising website** using **JavaScript**, incorporating interactive features such as a live donation thermometer, which boosted user engagement by **21%** and contributed to a **12% increase in funding**
- Ensured efficient content updates and dynamic content delivery by utilizing **Drupal CMS** and leveraged **GitLab** for streamlined version control

## PROJECTS

**Personal Portfolio Website** | *JavaScript* | mahimchaudhary.vercel.app                                      Jan. 2024
- Developed a responsive **personal portfolio website** using **React, Next.js, and Tailwind CSS**, featuring dynamic filtering, interactive cards, and deployed it on Vercel
- Integrated a fully functional **contact form** with the **Resend API**, enabling automated confirmation emails and direct message forwarding

**Battleship** | *Python*                                                                                      Aug. 2023
- Enhanced the Battleship game using **PyGame** by adding AI difficulty levels, game cards, music volume control, diverse background themes, and randomized ship positions, while applying **Agile methodology** to iteratively implement and refine these features
- Eliminated **90% of the code smells** by implementing various **refactoring techniques** such as Composing Methods and Moving features between Objects

## TECHNICAL SKILLS

**Languages**: JavaScript, TypeScript, C#, Python, Java, Kotlin SQL, HTML/CSS
**Frameworks & Libraries**: React, Angular, Spring, ASP.NET, NodeJS, Bootstrap, Tailwind CSS
**Databases, Infrastructure & Tools**: REST Api, JSON, MongoDB, MySQL, Postman, AWS, Azure