

Abdullah Tariq

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EDUCATION

Northeastern University

Master of Computer Science

GPA 4.0

September 2025 – April 2027

Vancouver, BC

Simon Fraser University

B.A.Sc. in Mechatronic Systems Engineering

September 2017 – December 2021

Burnaby, BC

EXPERIENCE

Software Test Engineer II

March 2022 – Present

Gaming Laboratories International LLC

Burnaby, BC

- Performed regression and integration testing across the SDLC, contributing to a 15% reduction in post-release defects.
- Validated updates for iGaming platforms and games, supporting the onboarding of 20+ client integrations into production.
- Tracked and documented defects using JIRA, ensuring compliance with technical and regulatory requirements.
- Executed back-end data validation via SQL to ensure transaction accuracy, player account balances, and game state persistence across multiple distributed testing environments, improving data integrity assurance.
- Conducted API testing with Postman and Swagger to verify JSON/XML responses and ensure data integrity between iGaming back-end services and third-party providers, enhancing system reliability.
- Collaborated with developers and cross-functional teams to resolve defects and communicate testing progress, enhancing release readiness and reducing deployment delays by 20%.

Software Developer (Contract, Part-time)

April 2025 – August 2025

Space Chicken

Vancouver, BC

- Built and deployed the official restaurant website using Next.js and Tailwind CSS.
- Implemented a responsive, SEO-optimized UI with interactive menu, reviews, and location integration.
- Maintained and improved site performance, accessibility, and UX.
- Collaborated with the business owner to develop and integrate backend features using Express, enhancing website functionality and user experience.

Electromechanical technologist

September 2020 – December 2021

Algo Communication Products Ltd

Burnaby BC

- Executed comprehensive testing of user interface protocols and scripts, identifying and resolving firmware control SIP communication bugs, enhancing system reliability by 25%.
- Collaborated with production team to test the devices for standardized test cases like structural uniformity, power consumption and firmware installation
- Created and maintained automated test scripts using Webdriver IO.
- Authored and updated comprehensive test documentation, test plans, cases, and reports. Improving testing consistency and traceability by 30% across projects.

PROJECTS

Broke Together

November 2025 – January 2026

- Engineered a RESTful backend with Java Spring Boot to efficiently manage shared household expenses and automate balance calculations, improving data accuracy and user experience.
- Designed and optimized a PostgreSQL relational database schema to efficiently manage complex many-to-many relationships between users and shared expense groups, enhancing data integrity and query performance.
- Implemented robust user authentication with Spring Security and JWT, enabling secure multi-device access to household data and enhancing overall application security by 40%.
- Built Docker images for the Spring Boot application to streamline setup and guarantee consistent performance across multiple environments, reducing deployment time by 30%.
- Deployed containerized Spring Boot app and PostgreSQL database to Railway, managing live production data and environment configurations to ensure 99.9% uptime and seamless user access.

Doctor Lucky

September 2025 – December 2025

- Engineered a Java desktop game using MVC architecture and Java Swing, enhancing UI responsiveness and modularity for efficient development and maintenance.
- Applied object-oriented principles and design patterns to decouple game logic, UI, and controller, enhancing code modularity and easing future feature integration.
- Developed user interaction mechanics, game flow control, and state management, boosting maintainability and enabling seamless feature extensibility.

Premier Predict

October 2025 – December 2025

- Built a full-stack football prediction platform using React, Express.js, Prisma, and PostgreSQL.
- Implemented JWT-based authentication, user profiles, and score predictions with automatic lock-in before match kickoff.
- Developed a dynamic leaderboard and real-time dashboards using live Premier League data from an external API.
- Designed backend caching and data handling to respect API rate limits and improve performance.

Budget App

October 2024 – January 2025

- Engineered a RESTful API with .NET 7 and ASP.NET Core to efficiently manage personal finances, budgets, and spending insights, improving data accessibility and user experience.
- Designed and implemented a PostgreSQL relational database with Entity Framework Core, leveraging migrations to maintain schema versioning and ensure data integrity across deployments.
- Implemented secure user authentication by integrating BCrypt password hashing and JWT tokens, enhancing data protection and user session management.
- Developed modular API endpoints for expense tracking, category management, and card balances, enhancing code maintainability and ensuring clean separation of concerns.
- Enhanced code reliability by developing comprehensive unit tests with xUnit and Moq, targeting core business logic and controller validation, resulting in a 30% reduction in defects.

SKILLS

Programming Languages: Java, C#, Python, JavaScript (ES6+), TypeScript, C++

Backend Frameworks: Spring Boot, ASP.NET Core Web API, Node.js, Express.js

Frontend & Mobile Frameworks: React, Next.js, React Native, .NET MAUI

Databases: PostgreSQL, MongoDB, SQLite, Supabase

Data Tools & ORMs: Prisma, AutoMapper, pgAdmin, DBeaver

DevOps & Deployment: Docker, Railway, Vercel, Git, GitHub

Testing & Management: xUnit, Moq, JIRA, Agile Methodologies

AWARDS & HONORS

Dean's List

April 2019

Simon Fraser University