HRITTIJA BHATTACHARJEE

Edmonton, AB | Contact: +1 (780) 563-2001 | Email: **hrittija2001@gmail.com** | **LinkedIn | GitHub | Portfolio**
Software Developer

EDUCATION

University of Alberta   **(2021 - present)**
Degree: Bachelor of Science (Major: Computer Science, Minor: Mathematics)
Expected year of graduation: Dec 2025

SKILLS

Languages: Java, Python, C/C++, JavaScript
Frontend: HTML, CSS, React.js, Node.js, React Native, Angular
Platforms: Windows, Linux (Ubuntu/WSL)
Backend & Databases: Spring Boot, Django REST Framework, REST APIs, DynamoDB, PostgreSQL, MongoDB, Firebase
Cloud & Tools: Docker, Kubernetes, AWS (EC2, S3, Lambda, IAM, RDS), Git, GitHub, IntelliJ, VS Code, Heroku
Testing & Other: UML (Class, Sequence, Use Case Diagrams), JUnit, Selenium, Espresso, Mockito, Postman, pytest, BCrypt, TDD, SDLC, MVC, CI/CD Pipelines, Microsoft Office Suite

EXPERIENCE

Software Developer Intern – Spectrum Engineering Consortium Ltd.   **(Jun 2025 - Aug 2025)**
- Built FIFO/LIFO/Weighted Average valuations, stock transfer, and reporting in ERP Inventory/Asset Module with Java, Spring Boot, Spring Cloud, PostgreSQL, and Angular, enhancing accuracy for 200+ ERP users.
- Collaborated in Agile sprints with a cross-functional team, participating in daily standups, code reviews, and sprint retrospectives to deliver features on time.
- Wrote JUnit/Mockito tests, reaching 35% service-layer coverage and 31% overall backend coverage.
- Optimized valuation query logic, reducing report generation time by 40% and improving finance team efficiency.

Freelance Software Developer   **(Feb 2025 - Present)**
- Developed and deployed SellSmart, a sales and inventory app initially built for one client, later expanded for multiple businesses using authorised email access. Tools: React, Spring Boot, Firebase, Docker, Kubernetes, JWT | **Demo**
- Created responsive websites for small businesses, including review-enabled sites.

PROJECTS

SocialDistribution – Social Media Platform Web Application   **(Sep 2025 - Present)**
Tools: Python, JavaScript, HTML, CSS, Django, REST Framework, PostgreSQL, Heroku, PyTest
- Built a distributed social media platform with features such as posting, commenting, liking, and sending follow requests across multiple remote nodes.
- Collaborated in a 6-member Agile team, managing branches, pull requests, CI/CD workflows, and automated deployments to Heroku.
- Designed inbox/outbox architecture, remote-node authentication, and cross-node delivery of posts, comments, and likes.
- Enhanced backend reliability with comprehensive PyTest suites covering visibility, inbox, and remote-node behaviour.

SkillLink – Mobile Skill-Exchange Application | SkillLink-backend | Demo   **(Apr 2025 - Sep 2025)**
Tools: Java, JavaScript, React Native, Spring Boot, AWS (S3, DynamoDB), WebSocket, PostgreSQL, PgAdmin, JWT
- Developed a mobile-first platform enabling users to showcase skills, connect, and exchange services.
- Implemented secure JWT authentication, BCrypt password hashing, and session management.
- Achieved 7ms average message latency in real-time chat using WebSockets (STOMP).
- Improved API response speed by 70% by optimizing request flow and reducing payload overhead.

TaskMaster – Full-Stack Web Application | [TaskMaster](#) | [Demo](#)   **(Mar 2025 - May 2025)**
Tools: Java, JavaScript, React, Spring Boot, AWS DynamoDB, BCrypt, REST API
- Built and deployed a task management platform with 100% email-verified login using SMTP, supporting over 100+ registered users and 500+ tasks.
- Integrated AWS DynamoDB for fast, serverless storage of user and task data.
- Implemented RESTful APIs to handle task operations (CRUD).

Event Lottery Application | [Event Lottery](#) | [UI Mockups & Storyboard](#)   **(Oct 2024 - Nov 2024)**
Tools: Android Studio, Java, Firebase, MVC, JUnit, Espresso
- Collaborated on a lottery event registration app with Organiser, Admin, and Entrant roles.
- Led the Organiser module, enabling event creation, participant management, and real-time notifications.
- Achieved 95% test coverage using JUnit and Espresso to ensure app stability.