HRITTIJA BHATTACHARJEE

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

EDUCATION

University of Alberta   **Graduated: Dec 2025**
Degree: Bachelor of Science (Major: Computer Science, Minor: Mathematics)

SKILLS

Languages: Java, Python, C/C++, JavaScript, TypeScript
Frontend: React, Angular, React Native, HTML5, CSS3
Backend: Spring Boot, FastAPI, Django REST Framework, REST APIs, JWT, WebSockets
Databases: PostgreSQL, DynamoDB, MongoDB, Firebase
Cloud & DevOps: AWS (EC2, S3, Lambda, IAM, RDS), Docker, Kubernetes, CI/CD
Testing & Practices: JUnit, Mockito, PyTest, Selenium, Espresso, TDD, MVC, SDLC
Tools & Platforms: Git, GitHub, Linux (Ubuntu/WSL), IntelliJ, VS Code, Postman, Heroku

EXPERIENCE

Software Developer Intern – Spectrum Engineering Consortium Ltd.   **(Jun 2025 - Aug 2025)**
- Reduced inventory report generation time by 40% through query optimization in a production ERP system serving 200+ users.
- Implemented FIFO, LIFO, and Weighted Average inventory valuation algorithms using Java, Spring Boot, and PostgreSQL.
- Achieved 35% service-layer test coverage using JUnit and Mockito, improving backend reliability.
- Participated in Agile sprints including planning, standups, code reviews, and retrospectives.

Freelance Software Developer   **(Feb 2025 - Present)**
- Built and deployed SellSmart, a sales and inventory management SaaS using React, Spring Boot, Docker, and Kubernetes.
- Implemented JWT authentication and role-based access control for secure multi-tenant usage across 3+ clients.
- Developed responsive websites for small businesses with review functionality and persistent storage.

PROJECTS

CareerCraft – AI-Powered Resume & ATS Evaluation Platform   **(Sep 2025 - Jan 2026)**
- Built a FastAPI backend implementing NLP pipelines for resume parsing and ATS-style matching, computing semantic similarity scores across 50+ skills per resume.
- Integrated transformer-based embeddings to compare resumes against job descriptions, generating quantitative match scores and skill-gap insights per role.
- Containerized and tested backend services using Docker and PyTest, validating 15+ REST endpoints with structured input validation.

SocialDistribution – Social Media Platform Web Application   **(Sep 2025 - Dec 2025)**
- Built a federated platform enabling cross-node posting, commenting, and following across multiple remote servers.
- Designed inbox/outbox architecture with remote authentication for reliable content delivery.

SkillLink – Mobile Skill-Exchange Application   **(Apr 2025 - Sep 2025)**
- 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.