Debojeet Dam

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Technical Skills

Languages: Python, C/C++, C#, HTML/CSS, JavaScript, SQL, Java
Frameworks & Tools: React, MySQL, NodeJS, DynamoDB, AWS, Docker, Git/GitHub, Next.JS 14, Blazor, .NET8, EF Core, Microsoft Azure DevOps, Jira, Unity

Experience

Arcurve May 2025 – Present
Software Developer Intern | Blazor, .NET8, EF Core, Microsoft Azure DevOps *Calgary, AB*

- Designed algorithm to measure financial health score, boosting PM forecasting accuracy **20%** by computing forecasted spend from projected vs. available hours and enabling proactive risk management.
- Led end-to-end rebuild of a major product area, aligning scope to KPIs by translating business goals into prioritized requirements and delivering a cohesive, production-ready release.
- Conducted targeted testing on an emailing component of the product, eliminating spam-sending defects and improving render speed by **60 ms** through streamlined workflows and stronger guardrails.
- Refactored legacy codebase to incorporate a modular filtering system, improving maintainability by standardizing UI patterns and enabling faster feature delivery through reusable components.

Vivordo May 2025 – Present
CEO *Calgary, AB*

- Led incorporation, legal structuring, and successful onboarding of a biotech startup into a competitive incubator program, laying the foundation for early-stage funding and growth.
- Validated dual-product strategy—a Backend-as-a-Service (BaaS) platform and complementary hardware—through extensive market research and **40+** customer discovery interviews.
- Collaborated with board members and technical leads to architect a proprietary BaaS algorithm (patent in progress) and defined a go-to-market strategy aligning product vision with investor interest.

Extracurricular

TechStart September 2024 - May 2025
Product Manager | C#, Unity *Calgary, AB*

- Spearheaded the development of a 2D story-based platformer game promoting sustainability awareness using Unity and C#, leading a **9**-member team through Agile sprints and increasing productivity by **30%**.
- Managed tasks and sprint planning with Jira, ensuring team transparency and timely delivery; showcased the final product at the TechStart Final Showcase and earned the Best Design award.

University of Calgary Students' Union May 2024 - May 2025
Faculty Representative: Schulich School of Engineering *Calgary, AB*

- Elected Students' Union Representative (2024) with **489** votes, representing **4,200+** engineering students; collaborated with the faculty dean to advocate for academic improvements and successfully appealed a grading policy, reducing a course fail rate from **80%** to **10%.**
- Led a successful referendum campaign that secured a **33%** reduced fee assessment for co-op and internship students, aligning costs more fairly with enrollment status.

Alberta Collegiate Robotics July 2023 - April 2024
Project Manager | *Python, OpenCV* *Calgary, AB*

- Led three subteams to develop a bionic arm integrating 3D-printed parts, EMG sensors, and servo motors, achieving **90%** gesture-recognition accuracy with Python/OpenCV and real-time servo control via Arduino.

Education

University of Calgary Sep 2022 – May 2027
Bachelor of Science in Software Engineering, Minor in Entrepreneurship and Enterprise Development *Calgary, AB*

- **A**wards: 3x (2022 - 2024) - 1st Place Schulich Engineering Competition [Consulting Engineering] (2023, 2024), 2nd, 3rd Place Western Engineering Competition [Consulting Engineering], Jason Lang Scholarship