

LENNART SCHAEFFER

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EDUCATION

Dalhousie University

Bachelor of Computer Science (Co-op) (GPA:4.16/4.3)

Halifax, NS

Sep. 2023 – Sep. 2027

EXPERIENCE

Software Developer Intern

May. 2025 – Present

Jazz Aviation | React, TypeScript, .NET, C#, SQL, Azure, Git

Halifax, NS

- Developed an end-to-end shift data automation feature using Azure Functions (C#), SQL, and Azure Logic Apps to transfer published shift bids for 700+ employees to the company payroll system, saving supervisors hours of manual entry each month.
- Led backend unit testing automation for the shift bidding platform using xUnit, SQLite, and Azure Pipelines, contributing 40+ tests, identifying logic errors, and increasing overall coverage by 15%.
- Built a React/.NET impersonation tool enabling admins to emulate employee sessions for support and troubleshooting, cutting developer testing setup time significantly by eliminating the need for test accounts.

Software Developer Intern

Jun. 2024 – Aug. 2024

Ditech Testing | .NET, C#, Git

Moncton, NB

- Developed dashboards for an internal portal with .NET Core MVC, eliminating the need for 100+ complex spreadsheets and enabling 30+ executives to securely access operational, financial, and customer data.
- Redesigned layout and fixed critical responsiveness issues on 10+ web pages using Bootstrap, restoring broken mobile views and ensuring consistent, functional interfaces across devices.
- Participated in daily scrum meetings with a team of 5 developers to discuss new ideas and strategies in line with the agile workflow.

PROJECTS

ResuRalph | Python, Flask, Docker, AWS(Lambda, SQS, DynamoDB, S3), OpenAI | GitHub

Feb. 2025 – Present

- Built a Discord bot to streamline collaborative resume reviews for a community of 2000+ students, driving fast and iterative improvements and integrating AI-powered feedback directly within Discord.
- Implemented an upload-to-review system with AWS S3 and Hypothes.is for in-line resume feedback, with automated change detection and version tracking via DynamoDB, eliminating cluttered review threads.
- Re-architected EC2-based infrastructure to a serverless, event-driven model using AWS Lambda, AWS SQS, and Discord Webhooks, reducing hosting costs by over 90% and enabling on-demand execution.

Sentinel | LangChain, Python, Next.js, Sei MCP Kit | GitHub

Jul. 2025 - Present

- Developing an AI agent that monitors stablecoin flows in real time and infers intent behind large movements such as panic selling or emerging depeg risks, triggering proactive alerts and automated treasury actions for DAOs and crypto funds.

SmartSplit | Node.js, Express.js, React, Move, OpenAI | GitHub

May. 2025

- Built an NLP-powered Telegram Bot that parses natural language commands to allow expense-splitting directly in your group chat with fast, secure, on-chain expense records.

StudyBuddy | React, Express.js, Node.js, PostgreSQL, AWS EC2 | GitHub

Dec. 2024 – Jan. 2025

- Developed a full-stack web application to help students locate nearby study spots, track study sessions, and create study groups.

TECHNICAL SKILLS

Languages: Java, Python, C#, C, JavaScript, TypeScript, HTML/CSS, PHP, SQL(Postgres, MySQL, MSSQL)

Frameworks/Libraries: React, Next.js, Express.js, .NET, Node.js, Bootstrap, Flask, Pandas

Developer Tools: Git, Linux, JUnit, xUnit, Wireshark, Postman, Swagger, VSCode, Visual Studio

Cloud/DevOps: AWS, Azure, Docker, CI/CD, Unit Testing

Relevant Courses: Data Structures and Algorithms, Database Systems, Software Development, Systems Programming, Server-Side Scripting, Intro Object-Oriented Programming, Intro Web Development

Licenses/Certifications: AWS Certified Cloud Practitioner