

John Lamprecht

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🌐 [John Lamprecht](#) | 🔄 [JohL99](#) | 📍 Nanaimo, BC

ABOUT ME

Versatile full-stack software developer with experience in Python, C/C++, and web technologies, focused on building practical business software that streamlines workflows, improves operational efficiency, and supports day-to-day operations.

EXPERIENCE

Consensus Metals

March 2025 - Present

Lead Software Developer

Remote

- **Key Technologies:** Next.js, Redis, MongoDB, Docker, AWS (EC2, Lambda, Certificate Manager), NGINX
- Developed a commercial version of the Consensus Metals website using Next.js, Redis, MongoDB, Docker, and AWS services to deliver a scalable, high-availability platform with optimized load performance.
- Led platform architecture and technical design, defining the full-stack application and infrastructure strategy to support scalability, reliability, and performance.

Reautomate (Pty) Ltd

January 2025 - December 2025

Lead Software Developer

Remote

- **Key Technologies:** Python PDF generation, Python email automation, Flask, Batch
- Developed Python-based software to automate customer quote creation, enabling high-volume processing of up to 500 quotes per run per user while maintaining error rates below 1%.

Regional District of Nanaimo (RDN)

June 2022 - August 2022

Information Systems Intern

Nanaimo, BC

- **Key Technologies:** Batch, Windows OS administration and troubleshooting, Excel VBA
- Implemented a reliable asset tracking system and automated administrative and troubleshooting workflows using batch scripts, macros, and Excel VBA, reducing discrepancies and saving around four hours per week.

PROJECTS

Librarian

April 2025 – July 2025

- **Key Technologies:** Next.js, Python, SQLite, AWS (EC2, S3, Certificate Manager), Docker, NGINX, RabbitMQ
- Librarian is a secure brokered file transfer system designed to retrieve files from a private home server, encrypt them in multiple layers, temporarily stage them in cloud storage, and deliver them to users without exposing plaintext data beyond trusted endpoints.

Stock Locker

September 2024 – December 2024

- **Key Technologies:** Python, Scikit-learn, PyTorch, Pandas, NumPy, Matplotlib, Web scraping
- Stock Locker is a stock price prediction model developed in Python using machine learning to analyze market trends and forecast prices up to five days in advance.

Inventory Tracker

February 2019 – June 2019

- **Key Technologies:** Python, Batch
- Inventory Tracker is an internal inventory tracking system developed in Python to integrate real-time data inputs and automate refill decisions, improving operational efficiency and reducing manual oversight by over three hours per week.

EDUCATION

Vancouver Island University

September 2019 – May 2025

BSc, Computer Science

Nanaimo, BC

- **Relevant Coursework:** Data Structures and Algorithms, Operating Systems, Networking and Communication, Systems Analysis and Design, Databases

SKILLS

Languages: Python, C/C++, JavaScript, TypeScript, Bash, Batch, SQL

Frameworks and Libraries: React, Next.js, Node.js, Flask, Django

Tools and Platforms: Docker, AWS, MongoDB, PostgreSQL, MySQL, SQLite, NGINX, VMware, VirtualBox

Additional Strengths: Performance optimization, unit testing, system administration, troubleshooting, database design, networking fundamentals, collaborative development, translating client needs into actionable goals