Leo Hunter Simon

Full-Stack Software Engineer | Backend Developer

Arlington, Virginia, USA
github.com/DemiJour

SUMMARY

Full-Stack Software Engineer with over six years of professional experience developing full-stack applications, backend services, and business software. Work spans SaaS platforms, enterprise integrations, inventory systems, analytics applications, and specialized desktop software. Comfortable across the whole lifecycle: requirements, architecture, APIs, interfaces, databases, and cloud deployment.

TECHNICAL SKILLS

Programming Languages	C#, C++, Python, PHP, JavaScript, TypeScript, SQL
Frontend Development	React.js, Next.js, Vue.js, Razor, Bootstrap, HTML5, CSS3, Qt
Backend Engineering	Node.js, Express.js, ASP.NET Core, .NET MVC, Laravel, FastAPI, REST APIs, Entity Framework Core
Databases	PostgreSQL, MySQL, SQL Server, Azure SQL, Redis
Cloud & DevOps	Microsoft Azure, Azure Batch, AWS, Docker, Git, Linux, CMake
AI & Data Engineering	PyTorch, TensorFlow, NumPy, Pandas, Machine Learning, AI Benchmarking, Data Analytics
Graphics & Desktop Development	C++, OpenGL, VTK, Qt, 3D Modeling, Graphics Rendering
Business Systems	ERP Integration, Warehouse Management, Inventory Management, E-Commerce, Subscription Billing, Marketing Attribution, Multi-Tenant SaaS Applications
Engineering Practices	Object-Oriented Programming, REST API Design, Database Optimization, Background Processing, System Integration, Debugging, Performance Optimization, Agile Development

PROFESSIONAL EXPERIENCE

Full-Stack Software Engineer · Pell Software

September 2023 – October 2026

Worked on full-stack business applications, SaaS platforms, enterprise integrations, inventory management systems, e-commerce platforms, and analytics solutions.

- Developed modern web applications using React, Next.js, and TypeScript.
- Built backend services using Python, Node.js, C#, and ASP.NET Core.
- Designed REST APIs and database-driven applications.
- Integrated payment systems, ERP platforms, and third-party APIs.
- Worked with PostgreSQL, SQL Server, and Azure SQL.
- Supported cloud deployments using AWS, Azure, and Docker.

React · Next.js · TypeScript · Python · Node.js · C# · ASP.NET Core · PostgreSQL · SQL Server · Azure · AWS · Docker

Backend Software Developer · Scopic Software

June 2020 – August 2023

Developed backend application functionality, APIs, database operations, and business software using PHP, Laravel, Python, and SQL.

- Developed REST APIs and backend application functionality.
- Implemented authentication and application workflows.
- Worked with MySQL and Redis.
- Developed automated processing functionality.
- Collaborated with frontend developers.
- Supported debugging, testing, and application maintenance.

PHP · Laravel · Python · SQL · MySQL · Redis · REST APIs

SELECTED PROJECTS

Underground Solutions · E-Commerce & Subscription Platform undergroundsolutions.com

A customized e-commerce platform designed to modernize professional training registrations, partner licensing purchases, and recurring subscription management.

- Developed customer-facing interfaces using React, Next.js, and TypeScript.
- Built Node.js and Express.js REST APIs.

React.js · Next.js · TypeScript · Node.js · Express.js · PostgreSQL · REST APIs · Stripe

Warehouse & Inventory Management System · Enterprise Software / Inventory Management www.fullgoodfulfillment.com

Client: Full Good Fulfillment · June 2024 – July 2025

A centralized warehouse management platform designed to streamline fulfillment operations, inventory tracking, order processing, and stock management.

- Developed inventory dashboards using React and TypeScript.
- Built C# and ASP.NET Core REST APIs.

React.js · TypeScript · C# · ASP.NET Core · Entity Framework Core · SQL Server · Azure · Docker

Direct Mail & Digital Ad Attribution Platform · Marketing Analytics / Data Visualization www.innovativedirect.com

Client: Innovative Direct · October 2024 – April 2025

A marketing analytics platform connecting direct mail campaigns with digital advertising performance. The platform enables businesses to track campaign engagement, analyze conversions, and measure marketing results across channels.

- Built interactive analytics dashboards.
- Developed Python and FastAPI backend services.

Python · FastAPI · React.js · Next.js · TypeScript · PostgreSQL · Pandas · Chart.js · AWS

Foundation ERP Integration with FieldFlō · Enterprise Integration / ERP fieldflo.com

Client: FieldFlō

A multi-tenant ERP integration platform connecting Foundation ERP with FieldFlō construction management software.

- Developed ASP.NET Core integration services.
- Implemented data synchronization workflows.

C# · .NET · ASP.NET Core · .NET MVC · Razor · Bootstrap · Azure SQL · Azure Batch · Entity Framework Core

OrthoSelect · Desktop Software / Dental 3D Modeling myorthoselect.com

A specialized desktop application for dentistry and orthodontics that generates three-dimensional dental models and supports treatment planning, visualization, and braces positioning.

- Developed C++ desktop application components.
- Implemented 3D visualization using OpenGL and VTK.

C++ · OpenGL · VTK · Qt · CMake · Git

MLPerf / MLCommons · AI / Machine Learning Benchmarking mlcommons.org

Organization: MLCommons

Worked on machine learning benchmark utilities and performance evaluation workflows involving standardized AI workloads. Contributions were software development and benchmark-related work within the broader MLPerf effort.

- Developed Python utilities for benchmark workload preparation.
- Worked with PyTorch and TensorFlow workloads.

Python · PyTorch · TensorFlow · NumPy · Pandas · Docker · Linux · Git

Codeaid · Developer Assessment Platform codeaid.io

A technical assessment platform that helps companies evaluate developers through programming challenges, Git-based development workflows, automated code scoring, and software quality analysis.

- Developed PHP and Laravel backend functionality.
- Built REST APIs for assessments and candidate submissions.

PHP · Laravel · JavaScript · Vue.js · MySQL · Redis · Git · REST APIs · Docker