

# Benjamin Lee

## Software Developer

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## Skills

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**Languages:** JavaScript/TypeScript, C/C++, Python, Java, C#, Go, HTML, CSS, Bash script

**Frameworks:** Node.js, React, Angular, Express.js, Flask, Bootstrap, Jest, PyTest, Catch2, Selenium, PyTorch, OpenCV, Xamarin

**Other:** Git/GitHub, Scrum, Agile, SQL, MongoDB, AWS, Linux, Docker, VS Code, Visual Studio, Eclipse, PyCharm, Nano

## Experience

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### Software Developer

V-Soft Consulting – May 2023, August 2023 – Toronto, ON

- Customized, implemented, and maintained **ServiceNow** applications to fulfill the specific business needs of clients
- Wrote **frontend** and **backend** scripts in **JavaScript** to implement custom functionality and automate business processes
- Created **RESTful APIs** to enable connections between ServiceNow and external applications
- Used the **GlideRecord** and **GlideQuery** APIs to interact with ServiceNow's **relational database**
- Made **AJAX** calls from frontend to backend code using ServiceNow's **GlideAjax** API

## Projects

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### Full-Stack Social Media Web App

Personal Project - [GitHub](#) - [Website](#)

- Used **MERN stack** technologies (MongoDB, Express.js, React, Node.js) to build a social media web application
- **MongoDB Atlas** and **AWS S3** used for persistent data storage
- Built a **RESTful API** using **Node.js** and **Express.js** for performing **CRUD** operations on the database
- Developed backend test scripts with **Jest** and **Supertest**
- User interface built with **React** functional components and hooks
- Containerized app using **Docker** and deployed to **Render**

### 3D Graphics & Physics Library

Personal Project - [GitHub](#)

- Used **C++** to write a 3D graphics & physics library from scratch, without any graphics, physics, or math libraries/frameworks
- Wrote, debugged, and optimized complex **algorithms** (collision detection/resolution, triangle rasterization) to achieve real time software rendering and physics simulation
- Developed automated unit and integration tests using **Catch2**
- Wrote compiler independent build scripts with **CMake**

### Movie/TV Rating Web Scraper

Personal Project - [GitHub](#)

- Built a web scraper in **Python**, extracts movie/tv ratings from IMDb, Metacritic, and Rotten Tomatoes
- Made **HTTP** requests using **Selenium** chrome web driver
- Parsed and extracted data from **HTML** using **Beautiful Soup**
- Used **Pytest** to write automated unit and integration tests
- Outputs the extracted data as **JSON**

## Education

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### Seneca College

- Honors Bachelor of Software Development
- 7th semester / 4th year
- Relevant Courses: Data Structures and Algorithms, Object Oriented Programming, Web Programming, Database Technologies, Project Management, Cybersecurity, Design Patterns, Mobile App Development, UI Design