

W. PAYNE JONES

(250) 882-8198 | Victoria, BC | paynejones01@gmail.com | [LinkedIn](#) | [GitHub](#)

PROFESSIONAL EXPERIENCE

HEP Software Developer | University of Victoria Department of Physics and Astronomy Jan 2025 - Apr 2025

- Migrated legacy database systems with Python scripts and maintained maximum data integrity
- Designed, developed, and optimized web applications, improving functionality and user experience
- Upgraded and maintained a local OpenStack cloud system, enhancing performance and reliability

Tech Used: Ansible, PHP, MariaDB, Openstack, Python, Javascript, HTML, CSS, Jenkins

Technical Analyst Co-op | BC Ministry of Social Development and Poverty Reduction May 2022 - Dec 2022

- Enhanced user experience by implementing UI improvements in React and TypeScript, ensuring an intuitive and accessible interface
- Made targeted updates and UI adjustments in the mobile application using Android Studio and Xcode to improve functionality and responsiveness on mobile devices
- Deployed containerized applications via OpenShift, enabling reliable scalability to meet fluctuating user demands
- Accelerated development cycles through collaborative debugging and problem-solving with team members
- Gathered requirements and coordinated with stakeholders to develop functional products, including a form management system and map application

Tech Used: React, HTML, CSS, OpenShift, Android Studio, XCode

Software Co-op Student | Department of National Defence Jun 2021 - Aug 2021

- Developed and optimized web applications using Vue and TypeScript, enhancing user experience and functionality
- Authored comprehensive documentation to support seamless future development and maintenance of web applications
- Created and optimized queries for Oracle databases, contributing to a more robust and efficient application infrastructure

Tech Used: Vue, HTML, CSS, Oracle

EDUCATION

Bachelor of Software Engineering | University of Victoria Sep 2019 - Apr 2025

Specialization: Cybersecurity and Privacy

Relevant courses: Data Mining, Security Engineering, Design Project

PROJECTS

Vike and Sell | SENG 499 Project May 2024 - Jul 2024

- Collaborated with 10 students to implement an e-commerce website for UVIC students
- Ensured application reliability and scalability with Micro K8s cluster and Redis Caching
- Tested backend authentication with Pytest to maintain application security
- Managed Postgres database, Python Datalayer, and Elasticsearch Database to ensure security
- Utilized Jmeter to load test the application and ensure resilience
- Generated and imported 50K records into DB using Python
- Recommended and implemented PGSync for Elasticsearch data syncing

Tech Used: Postgres, MicroK8s, Redis, Pytest, Jmeter, Python

W. PAYNE JONES

(250) 882-8198 | Victoria, BC | paynejones01@gmail.com | [LinkedIn](#) | [GitHub](#)

TECH SKILLS

Programming: Python, C, Java

Data Analysis: MATLAB, R

Database: Postgres, Oracle, Redis

Testing: Jmeter, Pytest, Postman

Containerization / Hosting: Docker, Openshift, Micro K8s, AWS, Microsoft Azure

Web Development: HTML, CSS, JavaScript, React, Vue, Typescript

Operating Systems: Unix / Linux (Ubuntu, Fedora), MS Windows, Mac OS

Productivity Tools: MS Suite (Word, Excel, PPT, Outlook), Google (Docs, Sheets, Gmail), Jira, Notion

Communication: Zoom, Teams, Slack, Discord

VOLUNTEER EXPERIENCE

Intern | Saanich Parks and Recreation **Jul 2017**

Volunteer | Upside Teen Center **Jan 2017 - Jun 2017**

Teen Leader | Saanich Parks and Recreation **Jul 2015 - Jul 2016**

TRAINING, CERTIFICATES AND EXTRACURRICULAR ACTIVITIES

Duke Of Edinburgh Bronze **Jul 2017**

Red Cross Emergency First Aid Level C **Jul 2021**

World Rugby Referee Level 1 **Apr 2017**

HOBBIES / INTERESTS

Rugby | Bagpipes | Cooking | Gaming