

Aman Palod

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EXPERIENCE

Founder

Victoria, BC

PixelCrafted - Agency

May 2023 – Present

- Built and managed websites for 5+ clients over 2 years, catering to small and medium businesses and solopreneurs.
- Consulted with clients to understand business needs, ensuring customized and scalable solutions.
- Provided end-to-end solutions, including UI/UX design, performance optimization, and SEO best practices.
- Developed and maintained websites using Drupal, WordPress, React, Next.js, and Vite.

QA Dev Engineer

Victoria, BC

VertiGIS

Jan 2025 – May 2025

- Automated 8 functional test suites in Chrome and Firefox using Typescript, WebdriverIO, and Jest reducing regression testing time by 20%.
- Reviewed and validated over 20 pull requests for bug fixes, ensuring high-quality code before merging into the production codebase.
- Executed comprehensive regression testing for VertiGIS Studio, identifying and reporting over 10 critical bugs in the release candidate ahead of the next feature release.
- Wrote and updated several test cases after the corresponding bug fixes and user stories were merged in the master code

Data Engineer

Victoria, BC

Ingrooves Music Group

MAY 2023 – AUG 2023

- Developed and managed 5+ data pipelines from retailers including Spotify, Apple Music, and Deezer.
- Automated cron job setup in Rancher by developing a dedicated API, eradicating manual setup. Integrated a Slack webhook for real-time alerts, resulting in faster response times and reducing issue resolution time by 30 percent.
- Designed and deployed a GitLab crawler API, tracking version utilization across multiple in-house data tools to streamline compliance and reduce redundancy.
- Strengthened application security by identifying and remediating critical log4j vulnerabilities across 5+ Java applications, improving overall system resilience.

CST Go-Live Technical Support

Vancouver, BC

BC Children's and Women's Hospital

JAN 2022 – APR 2022

- Devised multi-step automation scripts using powershell and python for data cleaning and exporting, resulting in a significant decrease in reporting turnaround time; tool is now utilized by 8 data analysts across the organization.
- Handled the maintenance of computers, apply policies and card readers on 500+ computers across facility.
- Troubleshoot jira tickets raised by doctors, nurses, and staff, resolving a majority of cases within the first hour to ensure seamless hospital operations.

PROJECTS

QatalogAI | *NextJS, VectorDB, Clerk, Open AI*

- Worked on a custom recommendation system using vector embeddings and the GPT API, achieving 90% accuracy in suggesting industry-standard machinery.
- Implemented secure user authentication with the Clerk API, managing 500+ user registrations.

Crowdship Mobile App | *Expo, React Native, Typescript, SupaBase, Postgresql, Figma, Framer*

- Designed and developed a community based mobile app from scratch using React Native (Expo framework) and a Supabase backend, connecting commuters with customers for efficient package delivery.
- Mocked medium fidelity prototypes for the UI in Figma
- Implemented the sign up/login feature using a custom SMTP server with authentication workflow.
- Designed and implemented chat functionality using Supabase Realtime.

UVic Marketplace | *AWS, Docker, Node, K8s, Redis, Ngnix, Jest, Jmeter*

- Led the Resilience Ops team of 3 members, serving as the Scrum Master for the capstone project.
- Executed authentication strategies using username/password systems, JWT tokens, and multi-factor authentication(MFA), ensuring secure access to users.
- Optimized query times from 300ms to less than 20ms by implementing Redis caching, improving UX and system performance.
- Scaled backend services for over 10,000 concurrent users by deploying kubernetes cluster on AWS EC2 instances to enhance performance and reliability.

TECHNICAL SKILLS

Tools: PostgreSQL, Bash Scripting, Mongo, WebdriverIO, Docker, Rancher, Snowflake, Kubernetes, AWS, Azure Devops, Expo

Softwares: React, NextJS, Typescript, Java, Python, Jest, C, Node.js

EDUCATION

University of Victoria

Bachelor's in Software Engineering

Victoria, BC

SEP 2020 – May 2025