

KATIA PANEQUE MARTINEZ

📍 VICTORIA, BC • FULL-STACK DEVELOPER
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OBJECTIVE

Full-stack developer with experience in React, TypeScript, Node.js, GraphQL, Go services, and AWS. Delivered production features at Dyspatch across UI components, internal tooling, email rendering systems, and LLM-optimized documentation. Strong in debugging complex pipelines, working in large monorepos, and improving developer workflows.

SKILLS & ABILITIES

Languages: JavaScript/TypeScript, SQL, Python, C++, Java, SwiftUI, PowerShell

Frontend: React, TypeScript, MUI, RJSF (JSON Schema Forms), Redux

Backend: Node.js, Express, GraphQL (Apollo), REST APIs, gRPC, Go (exporters & services)

Cloud & DevOps: AWS (Cognito, Lambda, API Gateway, S3, DynamoDB), Docker, GitHub Actions, CI/CD pipelines, Linux, Windows Server

Testing & Quality: Vitest, Jest, MSW, Supertest, Postman, automated integration testing

Databases: Oracle (PL/SQL), SQL Server, MongoDB

Core Engineering Strengths: System-level debugging • Monorepo workflow proficiency • Internal tooling development• Clear documentation • Cross-team collaboration • Adapting to complex codebases

EXPERIENCE

Junior Software Developer

Dyspatch / Victoria, BC / Sept 2025 – Dec 2025

Contributed to the Dyspatch email builder ecosystem, DML rendering engine, internal developer tooling, and AI-ready documentation systems within a large-scale monorepo.

Full-Stack & Systems Development

- Delivered UI component enhancements using React, TypeScript, MUI, and schema-driven patterns.
- Updated backend logic across multiple services using Node.js, Go, GraphQL, and gRPC integrations.
- Improved internal workflows and AST processing modules supporting DML exports.

LLM & Documentation Infrastructure

- Built the LLM-optimized documentation bundle consumed by ChatGPT, Claude, and Perplexity.
- Developed automations for markdown generation, autocomplete metadata, and bot-specific routing.
- Added Nginx user-agent detection to serve AI-ready content.

Email Rendering & DML Component Engineering

- Designed and implemented the new Pill DML abstraction with Outlook-safe fallbacks and theme support.
- Solved cross-client rendering challenges involving inline CSS, table fallbacks, and icon alignment.
- Integrated component styling and editable attributes into the Editor and Style Controls.

Testing & Reliability

- Enhanced test suites using Vitest, MSW, and Supertest.
- Resolved issues across exporters, validators, inliners, and selection metadata.

Capstone Developer – Admin Dashboard for Dispatch

Camosun College | Victoria, BC | May 2025 – August 2025

Built features for an internal admin dashboard using React, Node.js, and GraphQL.

- Developed UI pages, tables, filters, and modals using React and MUI.
- Implemented backend resolver logic and integrated GraphQL APIs.
- Contributed to CI/CD improvements and automated testing.
- Authored user and technical documentation.

Contractor (part-time)

Island Farms – Agropur | Victoria, BC | July 2024 – August 2024

- Provided advanced supervisor training on the planning and resource management tools I developed during my tenure.

Operations Performance Management Supervisor

Island Farms – Agropur | Victoria, BC | Jan 2022 – Jun 2023

- Supported transition from Oracle ERP to SAP with data validation and operational continuity.
- Built a custom planning tool improving forecasting accuracy by up to 90%.
- Provided operational analysis and efficiency recommendations.

Production Office Clerk

Island Farms – Agropur | Victoria, BC | Feb 2020 – Jan 2022

- Maintained ERP logistics data and produced management reporting.
- Supported production systems and resolved operational issues

Microbiology Department Supervisor

MB Laboratories | Sidney, BC | Jul 2009 – Nov 2019

Managed QA documentation, environmental testing workflows, and audit readiness.

Research Assistant

Centre of Marine Bioproducts | Havana, Cuba | Sept 2005 – May 2009

Conducted environmental research, performed lab analyses, and contributed to peer-reviewed publications.

EDUCATION

Sept 2023 – Aug 2025 **Diploma in Information and Computer Systems Technology**
Camosun College, Victoria, BC - 2025

Sept 2000 – Jul 2005 **Bachelor of Science with Honors in Microbiology**
University of Havana, Cuba – 2005

SOFT SKILLS

Communication • Teamwork • Troubleshooting • Strategic Thinking • Agile Collaboration

INTERESTS

Cloud Infrastructure • Internal Developer Tools • AI-Assisted Engineering • Secure Web Systems