

# KATIA PANEQUE MARTINEZ

📍 VICTORIA, BC • FULL-STACK DEVELOPER  
☎ 778-922-1684 | ✉ KATIA.PANEQUE@GMAIL.COM  
🔗 [LINKEDIN.COM/IN/KATIA-PANEQUE](https://www.linkedin.com/in/katia-paneque)

## 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 Dyspatch**  
*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