MELISSA TAMPLIN

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Permanent Resident
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PROFILE

I'm a **Full-stack Software Developer** with 6 years of experience, always eager to learn and with a broad range of knowledge.

To me, programming is like speaking a language. I love being given problems and translating them into solutions that have a positive impact on users. In my spare time, I like to tinker with game engines.

EXPERIENCE

Software Developer (Contract) — Qlarifi

Ottawa, Canada. Mar 2024 - Oct 2024

- Built foundations for event-based architecture and multi-tenant .NET services, leveraging Apache Pulsar's technology, resulting in a blazing fast service, as measured by the process of 3000 events/sec.

- Built service to test the product on a daily basis, by faking PII data and use it in E2E tests, resulting in a more resilient pipeline and helping with scalability testing.

- Built admin panel to provide quick debugging and telemetry tools for the engineering team. Fixed critical bugs, and wrote technical and onboarding documentation.

Backend Software Developer — Field Effect

Ottawa, Canada. Dec 2022 - Sept 2023

- Enhanced core Covalence Portal product's functionalities by implementing new API endpoints and new co-branding features for monthly and weekly monitoring reports, resulting in improved client and partner satisfaction as measured by increased user positive feedback.

- Streamlined onboarding process for new clients through automation of quote and order creations, and optimized third-party API integration with Stripe, resulting in a reduction in onboarding time and enhanced operational efficiency.

- Worked in close collaboration with designers to create a major overhaul of the login/sign-in processes by adding Auth0 and MFA solutions.

Software Engineer — Paloma Group

Wellington, Aotearoa New Zealand. Oct 2021 - Aug 2022

- Developed and deployed a user-friendly settlement platform for a US cryptocurrency trading company, so they can monitor and automate crypto/Fiat exchanges. Resulted in increased efficiency, accuracy, and number of transactions done per day.

- Implemented AWS Lambda functions to communicate with an SGX enclave and validate security logic, deployed the application in a secure AWS environment, and utilized CI/CD pipelines to improve speed and reliability of releases.

- Tested every logical part of the code, worked with testers to define scenarios and validate use cases, participated in weekly user story reviews and estimates, and wrote technical documentation.

Backend Developer — **Springload Te Pipitanga**

Wellington, Aotearoa New Zealand. Sept 2020 - Oct 2021

- Re-designed and architected Massey University's legacy Content Management System and in-house tools with a bilingual Django-Wagtail app, focusing on accessibility, which currently helps thousands of prospective students getting access to crucial information before enrolling.

- Implemented API clients to access more than 10 years worth of university data, documented the implementation using Swagger, imported data through Huey tasks, deserialized data with Django Rest Framework (DRF) and migrated data to new PostgreSQL database.

- Revived a decaffeinated Node.js app, fixed known and discovered issues, improved maintainability through refactoring, developed notification functionality, and wrote technical documentation.

Full-stack Developer — **Common Code**

Melbourne, Australia. Apr 2019 - September 2020

- Implemented event systems and federated profiles for a global retailer, allowing marketing to be more customizable and targeted, by importing, sanitizing and migrating data (ETL).

- Improved UX and accessibility on not-for-profit and community led websites.

- Developed programming training material for Women in ICT in Tonga, conducted training courses, and tutored juniors as part of organized events, resulting in a growth of good reputation.

EDUCATION

EPITECH - Paris, France
AEC / DEP or Skilled Trade Certificate in Computer Programming
September 2017 to March 2018

Paris VII Diderot - Paris, France
Bachelor Degree in Humanities
September 2007 to June 2010

SKILLS

- C#, .NET 8 (8 months)

- Python, Django, DRF, FastAPI, Flask, pytest (6 years)

- JS, TypeScript, Node.js, Jest, React, Vue, Nextjs (6 years)

- HTML5, CSS, Web accessibility (6 years)

- PostgreSQL, MySQL, DynamoDB, RDS, GraphQL (6 years)

- Amazon Web Services (6 years), GCP (1 year), Azure (1 year)

- Docker (6 years), Kubernetes (8 months)

- Git, Github, Bitbucket, Gitlab (7 years)

- Agile, Scrum, Waterfall, Kanban (6 years)

- Rust, Bevy (1 month)

- Apache Pulsar (8 months)

- Grafana's K6 (8months)

- Terraform (1 year)

- CI/CD (5 years)

- REST APIs (5 years)

- Mentoring (6 years)

- Great verbal and written communication

- Great problem-solving skills

- AWS Certified Cloud Practitioner (May 2020 to May 2023)

LANGUAGES

- French (native)

- English (fluent). IELTS overall band score: 8.5

- Korean (intermediate)