

Luisa Pegoraro

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Skills

Programming & Backend: Python, Flask, Celery, Django, C#/.NET, Node.js, REST APIs, GraphQL, CI/CD

Frontend UX: React, JavaScript, TypeScript, HTML5, CSS3, UI/UX-focused components

Cloud Infrastructure: AWS (EC2, Lambda, S3, DynamoDB, SQS/SNS), GCP, Docker, Kubernetes, Terraform

Databases Storage: PostgreSQL, MongoDB, DynamoDB, Redis, SQL, SQLAlchemy

AI Language Tools: GPT-4 Mini API, OpenAI, Claude, Prompt Engineering, AI-powered Applications

Developer Practices Collaboration: Git, GitHub Actions, Postman, Agile/Scrum, Cross-functional Collaboration

Experience

Software Engineer, Platform Team

Jul 2021 to Feb 2024

Rho Business Banking

- Designed and implemented **backend APIs** and **microservices** to automate third party credit card repayments, saving 16 hours/month (\$10k/year)
- **Migrated** 100% of payment traffic to new international payment provider with zero transaction loss
- Built **onboarding workflows** integrating accounting providers, improving **scalability** and user experience
- Developed an **OCR check scanning service** (hackathon winner) demonstrating prototyping and rapid iteration
- **Mentored** junior engineers and led **code reviews**, improving team efficiency and adherence to **Agile/Lean principles**

Software Engineer

Oct 2019 to Jun 2021

Rocket Mortgage (formerly Quicken Loans)

- Developed **APIs** and **microservices architecture** enabling cross-team collaboration and scalable systems
- Integrated **AWS SNS/SQS messaging** for reliable **distributed system communication**
- Provisioned **AWS infrastructure** (Lambda, SQS) via **Terraform**, following **CI/CD** and **DevOps best practices**
- Improved internal portal **UX** and guided cross-team feature delivery
- Documented data flows and promoted **collaboration** across product, QA, and engineering teams

Software Engineer, Independent Projects

Mar 2024 to Present

- Built **AI-powered applications** including chisme, a language quiz generator using **GPT-4 Mini API** and cloud functions
- Created secure journaling dashboard with **AWS-based authentication** and reusable **full-stack patterns**
- Implemented **prompt engineering**, tested **AI reliability**, and explored **RAG/LLM** use cases
- Applied **full-stack design** principles for end-to-end deployable SaaS features

Earlier Experience

BSA & Consultant - Adastra Corp (2014 to 2016): clients include TD Bank, Canadian Tire, MPAC

Product Management Analyst - Bombardier Transportation (2013)

Solutions Analyst - UPS Supply Chain (2013)

Education

Master of Management Sciences, University of Waterloo (2014)

Bachelor of Science (Honors Physics, Astrophysics), University of Waterloo (2011)