

GIANLUCA PICCIRILLO

SOFTWARE DEVELOPER



EDUCATION

Software Engineering Co-Op

McGill University

2021 - Present

Science Program

Marianopolis College

2019-2021



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EXPERIENCE

DevPro Media

Co-founder 2022-present

- Pioneered the establishment of DevPro Media, a Software and Web Development firm.
- Software development, deployment, and project management.
- Proactively identify and cultivate new business opportunities.
- Collaborate closely with clients to understand their unique business needs, ensuring the delivery of tailored software solutions to meet requirements.

Mirametrix / Lattice Semiconductor

Software Developer 2024

- Played a key role in maintaining the DevOps infrastructure.
- Utilized tools like Docker, Python, GitHub Actions, and Jenkins to develop build tools, pipelines and workflows.
- Contributed to the team's initiatives by actively developing new solutions and processes.

Intact Financial Corporation

Full Stack Developer 2023

- Actively involved in crafting an enterprise application using Spring, Angular, Jenkins, Oracle DB, Liquibase, and SQL.
- Applied Agile development methodologies, ensuring collaborative and efficient project delivery.



SKILLS

Programming/Scripting languages

- Java
- Python
- Typescript & Javascript
- C
- C++
- OCaml
- Lua
- ARM ISA
- HTML & CSS
- SQL
- Shell (bash)

Systems, Platforms & Tools

- Github
- Git
- Linux
- MacOS
- PostgreSQL
- MySQL
- MongoDB
- Github Actions
- VSCode
- JetBrains IDEs
- NeoVim
- Docker
- Microsoft Azure
- Firebase
- Google Cloud
- Kubernetes fundamentals

Libraries & Frameworks

- React Native
- Prisma
- Apollo GraphQL
- Next.js
- Express.js
- React.js
- Tailwindcss
- Material UI
- Spring Framework
 - Security
 - Data
 - Web
 - OAuth2
 - Kafka

Concepts & Other Technologies

- Software architecture
- Service-oriented architectures
- Application security
- REST
- GraphQL
- Workflow & pipeline management (CI/CD)
- Ethical Hacking & Cybersecurity fundamentals
- Web service penetration testing fundamentals



PROJECTS

CGI inc.

IAM Cybersecurity Intern 2022

- Contributing to bolstering cybersecurity infrastructure, focusing on IAM technologies.
- Acquired an understanding of Microsoft Azure and Azure Active Directory, implementing automation for IAM processes.
- Engaged in a ethical hacking learning experience.
- Successfully developing a service offer and a proof of concept for automating IAM processes.

Google Developer Student Club

Tech Lead 2023-present

- Providing guidance and mentorship to club members, fostering a collaborative learning environment.
- Leading hands-on projects, applying full stack of development skills and leveraging emerging technologies.
- Establishing connections with industry professionals and organizing guest speaker sessions to expose members to real-world insights.

Voysis IP Solutions

Web Developer 2023

- Played a pivotal role in web development projects utilizing Vercel, NextJs, ReactJs, and adeptly integrating server-less functions.
- Prioritized user experience and streamlined deployment processes through server-less architecture.

McGill University

Tomlinson Engagement Award for Mentoring 2022

- Teaching assistance tasks for Digital Logic (ECSE-222).

DDC NFT

Full Stack Blockchain Developer 2022

- Full stack development and deployment with HostGator, Vue.js and Nuxt.js, Solidify, ethers.js/web3.js, blockchain technology (Ethereum).

Flashify: flashify.tech

Startup project

2023

- Leading a startup venture focused on the creation of study sets from student notes or lecture material by automating content extraction and flashcard generation via machine learning techniques.
- Utilizing Next.js, Java, Spring, GraphQL, Python and Azure services to create a robust, responsive, and performant web application.

Booktire

Startup project

2022-2023

- Leading a startup initiative dedicated to fostering connections between mechanics, garage owners, and clients through an inventive booking app tailored for car repairs and tire changes.
- Utilizing React Native, Java, Spring, GraphQL and Azure services to create full stack application.

Lia : A Memory Aid Assistant

NewHacks Toronto

2021

- Full stack application to serve as an assistant for people with memory loss by interpreting questions and relaying answers back to the user using artificial intelligence.
- Won Best Health Hack at NewHacks 2021, University of Toronto.

PictoDocReader : Image Locator

McHacks McGill

2022

- Full stack development of a software to locate images within PDFs.
- Won Best Education Hack at McHacks 9, McGill University.
- DevPost: devpost.com/software/pictoreader.

PharmaHacks

Hackathon McGill

2021

- Machine learning models to predict the diagnosis of disease based on presence of bacteria in the gut microbiome.