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)
- Web service penetration testing fundamentals

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

- Proving 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-words 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).

PROJECTS

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

Sartup 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 artifical 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.