

David Pietrocola

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EDUCATION

ADVANCED DIPLOMA IN SOFTWARE ENGINEERING

CENTENNIAL COLLEGE

Jan 2022 - Dec 2024 | Toronto, ON

Relevant Coursework: Advanced Database

DSA • Software Testing • Unix/Linux OS

Web Application Programming

Cum. GPA: 4.3 / 4.5

Award: *Global Perspective Digital Badge*

for excellence in engagement within leadership and volunteer activities.

SKILLS

TECHNICAL SKILLS

Proficient with:

Java • JavaScript (ES6) • TypeScript

Python 3 • C# • SQL • OOP Concepts

Frameworks and Libraries:

Next.js • Express.js • Node.js • React • .NET

Tools:

AWS RDS • AWS Lambda

CloudFormation • Git • GitHub

Postman • Jira • Azure • Docker • Jenkins

Swagger UI • MongoDB • PostgreSQL

SOFT SKILLS

Effective organization skills

Communication abilities in multiple languages, including English, Italian, and Russian

HACKATHONS

Jan 2023		MLH - UofTHacks
Mar 2023	3 rd	NSBE Hacks
Apr 2023	1 st /79	MLH - MapHacks 2
Apr 2023	4 th /675	MLH - EducateHack
Apr 2023	1 st	MLH - DeerHacks
May 2023	1 st	MLH - MetHacks

CERTIFICATIONS & CLUBS

Dec 2022	<u>CS50 - HarvardX</u>
Apr 2023	<u>Cloud Practitioner - AWS</u>
July 2023	<u>MongoDB Assoc Developer</u>
Current	Centennial Programming Club
Current	Google Developer Club - UofT

LINKS

LinkedIn:// [pietrocoladavid](#)

Github:// [DavDeDev](#)

PROFESSIONAL EXPERIENCE

BACKEND DEVELOPER | WIMTACH

Jan 2023 - Present | Toronto, ON

- Collaborating with multiple development teams to build two projects, a kindergarten web app and a healthcare learning platform, demonstrating **strong teamwork and time management skills**.
- Designed and deployed an **MS SQL server database** on **AWS RDS**. Managed the ongoing performance and security of the database, implementing proactive monitoring and optimization strategies using AWS CloudWatch and AWS Budget.
- Developed APIs in Python, adopted a **serverless architecture** using **AWS Lambda Functions** and **API Gateway** for scalability and cost efficiency.
- Manage **DevOps** practices and supported the **AWS infrastructure**, ensuring **99.9% uptime** and a **40% reduction in deployment time**.

PROJECTS

MINTBUDDY - CHAT BOT | GITHUB

Apr 2023 | Deerhacks • Toronto, ON

- Developed a chatbot utilizing **Voiceflow** (leveraging GPT 3.5 and GPT 4.0), Verbwire APIs, and Stablediffusion API to enable users to mint new **NFTs on-chain**.
- Built and maintained a robust **CI/CD pipeline** using AWS and GitHub Actions to continuously deploy the chatbot to S3, ensuring a reliable and seamless user experience while also minimizing downtime.

OPZIONE ZEN | EXTENSION, GITHUB

Fall 2022 | HarvardX • Toronto, ON

- Built a Chrome extension that activates a reading mode in websites: W3School, MDN, Google Dev, Stack Overflow using JavaScript and CSS.
- Utilized the latest Chrome **extension API** (Manifest V3) version to access browser features and interact with web pages.

DISCAL - DISCORD BOT | LIVE, GITHUB, CODESEEN

Summer 2023 | Toronto, ON

- Developed a Discord bot using **TypeScript**, Discord.js and **Google APIs** that allows server's users to manage a shared Google Calendar and collect all the upcoming Hackathons, conferences and other events from Discord.
- Setup a CI/CD pipeline using **AWS CodeDeploy** and **EC2** instance.

RELEVANT EXPERIENCE

MENTOR | CENTENNIAL COLLEGE

April 2023 – present | Toronto

- Mentored 3 incoming college students, providing guidance, support, and resources to help them successfully transition to college. Demonstrated strong **leadership skills** in the mentorship role, inspiring and motivating mentees to achieve their academic and personal goals.
- Provided ongoing coaching and support to mentees, helping them develop essential skills and succeed inside and outside the classroom.