

Nishk Balsara - Python Developer

+1 437-989-8511 | iamnishkb@gmail.com | Toronto, ON

portfolio: <https://nishkbalsara.ca/>

Professional Summary:

Seasoned Python Developer with a strong computer science foundation and a passion for building scalable and efficient solutions. Proficient in **Python, FastAPI, Flask, SQL, and Pandas**, with experience in **API development, data processing, and automation**. Skilled in **cloud technologies (AWS, Docker, Jenkins)** and database management (**PostgreSQL, MySQL**). Certified in **AWS Cloud Practitioner** and **Databricks Lakehouse Fundamentals**. Known for analytical thinking, problem-solving, and collaboration, delivering high-quality, maintainable code. Eager to contribute to innovative projects and grow in a dynamic, team-oriented environment.

Education and Certificates:

- | | |
|--|-------------|
| 1. BSc. Computer Science, York University, Toronto, ON : | 2019 - 2024 |
| Actively engaged in courses, and involved in hands-on projects and collaborative learning. | |
| 2. Cs50 Intro. to computer science, Edx Harvard University : | 2019 |
| Strong foundation in computer science fundamentals and problem-solving skills. | |
| 3. Certified Cloud Practitioner, AWS : | 2024 |
| Demonstrated proficiency in cloud computing, storage, and deployment on AWS | |
| 4. Databricks Lakehouse Fundamentals, Databricks Learning | 2024 |
| Intro to Databricks Lakehouse, focusing on unified data architecture and analytics. | |
| 5. Intro. to Tensor flow for AI, ML, and Deep Learning, Coursera | Present |

Skills and Tools:

Languages: Core Java, C++, JS, Html, Css Typescript, Python, Swift, Kotlin

Concepts: Multithreading, Exception Handling, JDBC, File I/O and serialization

Cloud and DevOps: AWS, Docker, Jenkins, CI/CD, Gitlab. Serverless, S3, Azure

Web Development: REST API's, Firebase, Http, Adobe XD

Project Management: Jira, Confluence, Git

Data: SQL, MongoDB, postgres, powerBI, Graffana, ETL

Other: JUnit, Windows Server, Office 365

Experience:

1. Backend Developer Intern (Moresshop Solutions) - May 2023 – Apr 2024 | (remote)

- Developed clean, maintainable, and efficient **Python** code, adhering to industry standards and project specifications to ensure quality and scalability.
- Built and optimized **RESTful APIs** using **FastAPI/Flask**, improving backend performance and data handling.
- Implemented **Jenkins for CI/CD pipelines** and utilized **Docker** for containerization, ensuring consistent development environments and streamlined deployments.

- Integrated **PostgreSQL/MySQL** for efficient data storage and retrieval, supporting backend operations and enhancing database performance.
- Used **Postman** to test API endpoints and database queries, ensuring data accuracy and application reliability through rigorous testing.
- Collaborated with cross-functional teams to design and implement innovative **Python-based solutions**, following **Agile methodologies** and using **JIRA** for task management and sprint coordination.

2. Application Developer Intern (itAgenturen) - Jan 2023 – Apr 2023 | (remote)

- Designed a user-friendly mobile app, ensuring clarity and meeting diverse user needs.
- Leveraged **Firestore API** to implement secure authentication and efficient storage solutions. This approach enhanced data security, resulting in a 25% reduction in security incidents.
- Enhanced organizational skills by documenting processes, which streamlined onboarding and helped new team members integrate more quickly.
- Exceeded expectations by delivering code ahead of schedule, enhancing project efficiency.

3. Python Programmer Assistant (Office Of the Dean, Lassonde) - June 2022 - Aug 2022 | Toronto, ON

- Assisted the Director of Strategic Policy and Planning at York University, gaining insights into strategic decision-making and policy development.
- Integrated relational databases and **SQL** to efficiently manage large university datasets, improving data accessibility and aid in-depth analysis for better decision-making and insights.
- Prepared detailed reports on project specs and progress, while developing analytical skills.
- Recommended technologies such as **Python** and **Tableau**, boosting efficiency by 30%, and enhancing my persuasive communication skills.
- Used **Power BI** to analyze data and create visual reports, enhancing decision-making.

Projects and Leadership:

Multi-tenant CMS with Role-Based Access Control:

- Built a scalable **Python FastAPI** with **PostgreSQL** multi-tenancy for tenant data isolation.
- Implemented **OAuth2** and **JWT** authentication with **RBAC** for granular access control.
- Built a **React.js** and **Material-UI** dashboard for dynamic tenant, and content management.
- Configured **GitHub Actions** and **Terraform** for automated deployment on **AWS/GCP** with **Infrastructure as Code (IaC)** principles.

AI DeskMate:

- Developed an AI agent using the **OpenAI API** and **Python**, enabling natural language conversations, and automating tasks to improve user productivity and efficiency.
- Applied Python **Speech Recognition** library for accurate voice commands and interactions.
- Used AWS **CodeWhisperer** to improve code quality and streamline development.
- Created a conversational interface that simulates human-like dialogue, improving user engagement.