

# Patience Patricia Burani

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## Professional Summary

As a skilled Software Developer, I specialize in designing, developing, and maintaining software applications. With a strong foundation in programming languages and extensive experience in building both front-end and back-end systems, I excel in addressing complex issues with efficient solutions. My attention to detail and robust problem-solving abilities ensure high-quality results. I am passionate about learning new technologies and staying current with industry trends. My collaborative approach and effective communication skills make me a valuable asset to any development team.

## Technical Skills

- **Programming Languages:** JavaScript, Python, Typescript
- **Frameworks & Libraries:** React.js, Django, Nest, Flask, Express
- **Web Technologies:** HTML, CSS, Bootstrap, JavaScript, SASS
- **Databases:** PostgreSQL, MySQL, MongoDB, SQLite
- **ORM Tools:** Prisma
- **Digital Design:** Draw.io
- **Version Control:** Git
- **UI/UX Design:** Skilled in creating user-friendly and responsive designs
- **Methodologies:** Lean and Agile
- **API Testing & Documentation:** Proficient in using Postman for API development, testing, and automation, including creating and managing API collections, and performing request-response validation.

## Soft Skills:

- Effective Communication
- Attention to detail
- Project Management
- Problem-solving
- Leadership
- Collaboration

- Adaptability
- Quick learner
- Critical thinking

## Experience

### Project 1

#### Clarke International Universities Exam Monitoring System:

**Description:** With the growing shift towards online education and remote learning, the proposed system offers secure online monitoring with random image/voice capture and a safe browser to prevent cheating. It is optimized for low bandwidth and handles disruptions. It includes features like auto-submission and exam timing management.

**Technologies:** ReactJS, Javascript, Typescript, Nest, Postgre, Prisma

**Key Contributions:** Spearheaded the development of the backend architecture, ensuring robust functionality and security. Designed and implemented server-side logic, managed database interactions with PostgreSQL, optimized performance to support secure and efficient exam monitoring and contributed to API development.

### Project 2

#### InkBlink Company Website

**Description:** It is a comprehensive software solution designed to streamline the advertising of different products for the company to its customers.

**Technologies:** HTML, CSS, Bootstrap, JavaScript

**Key Contributions:** Spearheaded the front-end design and development, creating a visually appealing and user-friendly interface. Leveraged Bootstrap to ensure responsive design across devices, utilized JavaScript for interactive features, and applied CSS for custom styling to enhance usability and user engagement.

### Project 3

#### DayStar Daycare Data Management System

**Description:** It is a comprehensive software solution designed to streamline the administrative tasks of the Daystar daycare center.

**Technologies:** Python, Html, Django CSS, Bootstrap, Javascript, DBsqlite

**Key Contributions:** Developed and managed the database, designed and implemented the front-end, and built the back-end logic, ensuring a seamless integration between the user interface and the underlying data systems.

## Education

- Certificate of Software Engineering in Python, Refactory Academy February 2024 - May 2024

- Uganda Advanced Certificate of Education, Kisozi Secondary School 2021 - 2022
- Uganda Certificate of Education, Seeta Secondary School 2016 - 2019

**Languages**

- English
- Luganda

**References**

1. Mr. Lubanga Robert

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