

Sagyan Singh

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Software Engineer with strong practical experience in designing, developing, and deploying full stack web applications using Python, React, and modern cloud tools. Seeking a developer role to contribute to scalable, maintainable software system.

Highlights of Qualifications:

- Proven full stack development experience, building responsive and performant web applications using Python (Django/FastAPI), React, and others.
- Solid understanding of RESTful API design, backend development, and database management with PostgreSQL, MySQL, and MongoDB.
- Hands-on experience with containerization tools like Docker, supporting smooth development and deployment workflows, including deploying apps on AWS Lightsail with Nginx and Gunicorn.
- Familiar with Swagger/OpenAPI documentation for clean and consumable API endpoints.
- Strong unit and integration testing skills using PyTest, and Jest, contributing to more stable releases.
- Experience working in Agile environments, participating in sprint planning, peer reviews, and demo sessions.

Technical Skills:

- **Programming Languages:** Python, JavaScript (ES6+), TypeScript.
- **Frameworks:** Django, DRF, FastAPI, React, Next.js, Express, Node.js.
- **Cloud:** AWS (Lightsail).
- **Database Systems:** PostgreSQL, MySQL, MongoDB, SQLite.
- **Tools and Others:** HTML5, CSS3, jQuery, Jinja, Docker, Git, Nginx, Pytest, Jest.

Education:

Cloud Computing Technologies Graduate Certificate **Jan 2025 – Dec 2025 (Expected)**
George Brown College, Toronto, ON GPA (3.67)

- Worked with Microsoft Azure to deploy and manage Virtual Machines, set up networking, and explore cloud infrastructure services.
- Used Docker to containerize web applications in lab environments, gaining practical experience in building, running, and troubleshooting containers. Also worked with Microsoft 365 E3/E5 for identity, compliance, and licensing features.

Post Graduate Certificate in Project Management**May 2024 – Dec 2024****Fleming College, Toronto, ON GPA (3.6)**

- Developed skills in Agile, Scrum, and traditional project management frameworks, focusing on scope, time, and stakeholder management.
- Completed team-based projects involving risk analysis, budgeting, and scheduling, using tools like JIRA, Microsoft Project, Monday.com, and Trello.

Bachelors in Software Engineering**2016 - 2022****Pokhara University, Nepal****Experience:**

Full Stack Developer**May 2022 – June 2023****Tekkon Technologies, Kathmandu, Nepal**

- Designed and implemented a multi-tenant SaaS HR system using Django, PostgreSQL, and React, supporting 10+ client organizations with customizable themes and dynamic UI components.
- Increased system performance through optimized database queries, Redis-based caching, and backend refactoring across multiple projects.
- Collaborated with cross-functional teams to streamline development workflows, improve deployment processes, and enhance overall project delivery efficiency.

Full Stack Developer**Jan 2020 – May 2022****Mango Software Solutions, Kathmandu, Nepal**

- Built enterprise-grade systems including a ticketing platform for a bank (serving 3,000+ employees) and an ERP system for a public university using Django, React, and MySQL.
- Developed an e-commerce web app with integrated inventory tracking and multi-gateway payments processing over 1000 transactions monthly.
- Enhanced legacy systems with caching, type annotations, and detailed technical documentation, reducing post-deployment issues by approximately 25%.

Recent Projects:

Alliance Cleans<https://alliancecleans.com>

Developed a responsive, SEO-friendly commercial cleaning service website using React.js, Django, and DRF (Django REST Framework) featuring a modern UI, service catalog, and a contact form. Integrated with email automation for inquiries and deployed on Vercel for fast global performance.