

MAYANK GOENKA

Senior Software Engineer | Python Expert

[Leetcode](#) | [GitHub](#) | [HackerRank](#) | [Linkedin](#) | [Portfolio Website](#)

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Software engineer and Python expert with over 2 years of experience developing Agile, cloud-based serverless microservices and Event-Driven systems in the Healthcare and Life Sciences industry.

SKILLS

- **Programming Languages:** Python (Expert), JavaScript, Go
- **Web Technologies:** HTML, CSS, RESTful APIs, JSON
- **Databases and Cloud:** MySQL, PostgreSQL, NoSQL, AWS (Amazon Web Services)
- **Tools and Libraries:** Git, Terraform, JIRA, Django, Plotly, Dash, Pandas, Numpy, AWS SDK (Boto3 and Botocore)
- **Other:** Data Structures and Algorithms, Object Oriented Design, TDD (Test Driven Development), MicroServices, Serverless Architectures, Event-Driven Architecture, Agile, Scrum

WORK EXPERIENCE

Senior Software Engineer

Persistent Systems | Pune, Maharashtra

April 2024 - Present

Skills: Python, AWS, Dash, Plotly, Pandas, Numpy, Microservices, Git, Agile, CI/CD

- Developed a multi-page analytics web app for a leading US life sciences company, leveraging cloud-based microservices.
- Aligned data analysis with business goals through **direct client collaboration**.
- Developed efficient microservices, cutting **redundancy**, boosting tool **performance**, and **reducing cloud costs**.
- Provided tech guidance, nurturing **continuous improvement among team members**.
- **Slashed report download time by 50%**, enhancing overall tool efficiency.
- Implemented session-based caching, **reducing API calls** and **lambda usage by 50%**, and **AWS costs by 20%**.
- Transferred Excel business logic to the web tool, streamlining processes and ensuring **data consistency**.
- Employed **object-oriented design**, improving **code maintainability** and **reusability by 25%**.

Software Engineer

Persistent Systems | Pune, Maharashtra

July 2022 - March 2024

Skills: Python, Golang, AWS, MicroServices, TDD, Event Driven Architecture, Git, Terraform, Agile, CI/CD

- Significantly contributed to developing and managing **AWS Compliance assessment and Safeguards microservices** for a leading US healthcare compliance firm.
- Led and managed a project leveraging Terraform to conduct weekly end-to-end testing for AWS Compliance assessment and Safeguards. **Prevented major bugs** before the production release.
- **Learned quickly** and started contributing to the hardening of the operating system images.
- Swiftly diagnosed and resolved technical bottlenecks, ensuring seamless compliance system functionality.
- Consistently delivered Jira issues **60% ahead of schedule**.
- Achieved an impressive **80% reduction in compliance alert noise** through proactive analysis.
- Collaborated effectively with a geographically dispersed team.

Academic Intern

Persistent Systems | Pune, Maharashtra

February 2022 - July 2022

- Consistently ranked as a **top performer**. Led team to win ELC among **130+** teams.

EDUCATION

Bachelor of Technology - Computer Science and Engineering

2018 - 2022 | Bhopal, Madhya Pradesh

CGPA - 9.08 / 10.00

CERTIFICATIONS

- [AWS Certified - Cloud Practitioner - February 2022](#)
- [HackerRank Certified - Python Developer - April 2021](#)

PERSONAL PROJECTS

- [Portfolio Website](#) (HTML, CSS, JavaScript) - Increased online visibility and networking opportunities.
- [G1 Solutions Website](#) (Python, Django, HTML, CSS, JavaScript, PostgreSQL) - Dynamic site with session management, integrated customer tracking, and responsive design.
- [View More Projects](#)