

ABHISHEK RAI

abhishek.rai8992@gmail.com

**\*\*PROFESSIONAL SUMMARY\*\***

With a distinguished blend of leadership, strategic oversight, and extensive hands-on experience, I am uniquely positioned to lead teams and projects to exceptional success. My profound understanding of technology, complemented by my certifications and project experiences, highlights my commitment and adaptability within the dynamic technology sector. My primary strength and passion lie in leading teams to excellence, a testament to my capability and dedication in the ever-evolving technological landscape.

- Broad expertise in Azure technology, ranging from virtual machines to blob storage.

**\*\*DevOps and Automation:\*\***

- Orchestrated Jenkins CI/CD pipelines with integrated tools for enhanced and efficient deployment.
- Deployed containerized applications using Kubernetes, and managed Docker Compose setups, ensuring streamlined processes.

**\*\*Scripting and Programming:\*\***

- Developed Python scripts utilizing popular libraries for automation purposes.
- Employed PowerShell for Windows tasks, enhancing configurations and minimizing errors.

**\*\*Enterprise Mobility and Security:\*\***

- Managed devices using Microsoft Intune MDM, supporting and optimizing BYOD policies.

**\*\*Software Testing and Support:\*\***

- Provided comprehensive support for the Tosca Test Suite, from initial configurations to in-depth troubleshooting.

#### **\*\*Serverless Architectures:\*\***

- Developed serverless applications using Azure Functions and AWS Lambda, integrating seamlessly with other cloud services.

#### **\*\*Collaboration and Project Management:\*\***

- Utilized Azure Dev Boards for efficient project tracking and cross-team collaboration.

#### **\*\*Azure Solution Development & Leadership:\*\***

- Engineered solutions with Azure Logic Apps and promoted Bicep templates for streamlined Azure deployments.
- Led teams in creating impactful Azure solutions, preserving efficiency and upholding high standards.

#### **\*\*Web Development & Infrastructure as Code Expertise:\*\***

- Demonstrated Kubernetes expertise for containerized application deployment.
- Led Node.js web development, emphasizing both aesthetics and functionality.

#### **\*\*Cross-Platform App Deployment:\*\***

- Utilized AWS Elastic Beanstalk for seamless Node.js app deployment with MongoDB integration.
- Exhibited flexibility by deploying Node.js applications on Google App Engine with MongoDB connectivity.

#### **\*\*Jenkins Solution for TOSCA Test Results Email Notification:\*\***

- Developed a Jenkins solution to automate TOSCA test triggering and email the results efficiently.
- Integrated Jenkins with TOSCA for automated test triggering.

- Employed Bash and PowerShell scripts for setup, execution, and results extraction.
- Designed client-specific Jenkins steps and configured email notifications.
- Collaborated with clients for feedback-driven refinements.
- Outcome: Significantly reduced manual intervention and ensured consistent test executions.

#### **\*\*Automated Pipeline Scanner for SonarQube Integration:\*\***

- Created a Python-based solution on Azure Functions to scan Jenkins and Azure DevOps pipelines.
- Scanned over 18,000 pipelines, emphasizing code quality and security.
- Applied Agile methodologies for effective project management.
- Ensured proactive risk management and maintained 100% client satisfaction.
- Outcome: Enhanced CI/CD pipelines with SonarQube scans, demonstrating Python and Azure integration efficiency.

#### **\*\*Experience with Large Language Models (LLMs):\*\***

- Demonstrated expertise in leveraging LLMs for real-world applications.
- Conducted in-depth testing of various LLMs to assess performance and adaptability.
- Developed Azure-hosted chatbots using OpenAI's LLMs.
- Pioneered local LLM deployment for data privacy and control.
- Enhanced LLMs by fine-tuning them to meet task-specific requirements.
- Outcome: Highlighted transformative applications of LLMs, from intelligent chatbots to tailored model performances.

#### **\*\*Articles Published about Other Projects:\*\***

[Blog on Medium](<https://medium.com/@abhishek.raii8992>)

- Deploying Docker Compose App in Kubernetes
- Building an AI chatbot to answer questions over your own documents

- Triggering custom actions using Python when a file is dropped in Sharepoint

## **\*\*Certifications and Further Qualifications\*\***

In my relentless pursuit of knowledge and excellence, I have fortified my technical acumen with prestigious certifications. These certifications not only validate my expertise but also underscore my commitment to continuous learning.

### **- \*\*Neural Network Certification from Coursera:\*\***

An intensive program that delved into the intricacies of neural networks, their architecture, and applications. This certification has equipped me with the foundational and advanced knowledge needed to design, implement, and optimize neural network models for various real-world challenges.

### **- \*\*Prompt Engineering Certification from the University of Vanderbilt:\*\***

A rigorous course focusing on the engineering aspects of designing and deploying prompt-driven systems. The program honed my skills in creating efficient, responsive, and scalable prompt solutions, ensuring they cater to diverse requirements and maintain high performance standards.

## **\*\*Upwork - Python/Cloud Consultant\*\***

Remote • 02/2020 - 07/2021

Successfully serviced 100+ client projects worldwide, delivering quality solutions across Freelancer and Upwork platforms.

### **\*\*Key Projects:\*\***

- Python Scraping

- Kali Linux

- Machine Learning

[Upwork Profile](<https://www.upwork.com/freelancers/~01852975e3180dde60>) - 5-star rated.

[Freelancer Profile](<https://www.freelancer.in/u/rockyy43>)

**\*\*BlueStar Tech - System Engineer\*\***

Ghaziabad • 02/2017 - 11/2020

- Designed and implemented efficient Python solutions to handle and manipulate thousands of incoming and outgoing files every 7-10 minutes, optimizing the file management process and ensuring seamless data transmission.
- Administered and maintained the organization's Amazon EC2 instances, ensuring high availability, optimal performance, and security.
- Managed the company's website, guaranteeing continuous uptime, and handled SSL certificate installations and renewals to maintain site security.
- Oversaw DNS configurations to ensure accurate domain resolution and optimized network performance.
- Resolved in-office technical issues related to systems, networks, and internet connectivity, ensuring minimal downtime and maintaining a productive work environment.