

# ABHISHEK RAI

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## PROFESSIONAL SUMMARY

With a distinguished blend of leadership, strategic oversight, and select hands-on experience, I am uniquely positioned to lead teams and projects to unparalleled success. My deep understanding of technology, complemented by my certifications and project experiences, speaks to my commitment and adaptability in the dynamic realm of technology. My primary strength and passion lie in leading, strategizing, and ensuring that technological solutions align with broader business objectives. My track record of consistently leading teams to excellence is a testament to my capability and dedication in the ever-evolving technological landscape.

## SKILLS

- Cloud Engineering
- Cloud Computing
- Project Management
- Programming
- Azure
- AWS
- GCP
- Python
- LLMs
- AI
- Azure Data Factory
- Azure Logic Apps

## CERTIFICATIONS

Neural Networks, Coursera  
AZ-900, Azure  
Prompt Engineering, University of  
Vanderbilt

## WORK HISTORY

### Pursuit Software Development Pvt Ltd - Lead System Engineer

*Remote • 07/2021 - Current*

#### Professional Experience

- Orchestrated a migration from Google's ecosystem to Microsoft for a 300-person company, with a significant U.S. cohort, leading a team of six professionals.
- Established centralized device management using Intune, enhancing organization-wide security and compliance.
- Managed end-to-end user lifecycle in Office 365, including role assignments in Azure AD and optimized licensing for cost-effectiveness.
- **Cloud Infrastructure Management:**
- Led Azure and AWS deployments, focusing on security, scalability, and cost-effectiveness.
- Pioneered Azure resource group management and optimized AWS resource deployment.
- Managed Lightsail instances, SSL certificates, and ensured site uptime.
- **Cloud Infrastructure Expertise:**
- Proficient in AWS, from EC2 to Lightsail for cost and performance optimization.
- Broad experience in Azure, from virtual machines to blob storage.
- **DevOps and Automation:**
- Orchestrated Jenkins CI/CD pipelines with integrated tools for enhanced deployment.
- Deployed containerized apps using Kubernetes and managed Docker Compose setups.
- **Scripting and Programming:**
- Developed Python scripts using popular libraries for automation.
- Leveraged Powershell for Windows tasks, enhancing configurations and reducing errors.
- **Enterprise Mobility and Security:**
- Managed devices using Microsoft Intune MDM, supporting BYOD policies.
- **Software Testing and Support:**
- Provided high-level support for the Tosca Test Suite, from basic configurations to in-depth troubleshooting.
- **Serverless Architectures:**
- Developed serverless applications using Azure Functions & AWS Lambda, integrated with other cloud services.

- **Collaboration and Project Management:**
- Utilized Azure Dev Boards for project tracking and cross-team collaboration.
- **Azure Solution Development & Leadership:**
- Designed solutions with Azure Logic Apps and championed Bicep templates for Azure deployments.
- Led teams in creating impactful Azure solutions, maintaining efficiency and standards.
- **Web Development & Infrastructure as Code Expertise:**
- Showcased Kubernetes expertise for containerized app deployment.
- Led Node.js web development, emphasizing both aesthetics and functionality.
- **Cross-Platform App Deployment:**
- Leveraged AWS Elastic Beanstalk for seamless Node.js app deployment with MongoDB integration.
- Demonstrated flexibility by deploying Node.js apps on Google App Engine with MongoDB connectivity.

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

- Developed a Jenkins solution to auto-trigger TOSCA tests and email results.
- Integrated Jenkins with TOSCA for automated test triggering.
- Utilized Bash and Powershell scripts for setup, execution, and results extraction.
- Designed client-specific Jenkins steps and configured email notifications.
- Collaborated with the client for feedback-driven refinements.
- Outcome: Significantly reduced manual intervention and ensured consistent test executions.

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

- Developed a Python solution on Azure Functions to scan Jenkins and Azure DevOps pipelines.
- Scanned 18,000+ pipelines, emphasizing code quality and security.
- Implemented Agile methodologies for effective project management.
- Ensured proactive risk management and maintained 100% client satisfaction.
- Outcome: Fortified CI/CD pipelines with SonarQube scans, showcasing 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 for performance and adaptability.
- Developed Azure-hosted chatbots utilizing OpenAI's LLMs.
- Pioneered local LLM deployment for data privacy and control.
- Enhanced LLMs by fine-tuning them for task-specific requirements.
- Outcome: Showcased transformative applications of LLMs, from intelligent chatbots to tailored model performances.

#### **Articles Published about other Projects done.**

<https://medium.com/@abhishek.raii8992>

- Deploying Docker Compose App in Kubernetes
- Building a AI chatbot to answer questions over your own docs:-
- Trigger custom action 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 that not only validate my expertise but also underscore my commitment to continuous learning

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

An intensive program that delved deep into the intricacies of neural networks, their architecture, and applications. This certification has equipped me with the foundational and advanced knowledge 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 and delivered across Freelancer and Upwork

#### **Key Projects**

Python Scraping

Kali Linux

Machine Learning

<https://www.upwork.com/freelancers/~01852975e3180dde60>  
5 star rated.

<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, ensuring 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, network, and internet connectivity, ensuring minimal downtime and maintaining a productive work environment.