

Nilesh Kumar

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SUMMARY

Cloud-savvy Software Engineer with expertise in Azure-native development, full-stack web applications, and automation using Python and PowerShell. Proven ability to architect scalable, event-driven systems and enforce cloud governance through policy and monitoring frameworks. Strong collaborator with a passion for clean code and continuous improvement

EDUCATION

IIT Bhubaneshwar University <i>MTech in Mechanical Thermal Science and Engineering</i>	Bhubaneshwar, Odisha May 2022
Shri Shankaracharya Group of Institutions, Bhilai <i>BTech. in Mechanical Engineering</i>	Bhilai, Chhattisgarh September 2020
Sri Sankara Vidyalaya Bhilai, Bhilai <i>C.B.S.E Senior Secondary Education</i>	Bhilai, Chhattisgarh May 2016
The Aditya Birla Public School, Hirmi <i>C.B.S.E Higher Secondary Education</i>	Hirmi, Chhattisgarh May 2014

EXPERIENCE

Senior Cloud Engineer <i>LTIMindtree</i>	July 2022 – Present Nagpur, Maharashtra
• Designed and built an Azure Function-based enforcement and exception framework from the ground up by integrating Azure Service Bus, CosmosDB, Storage Account, and Azure Graph Explorer. This standardised development approach decreased the average story development time by 20%.	
• Designed and developed an event-driven framework using an Azure Function app, integrating various Azure services such as Azure Event Hub, Stream Analytics, Service Bus, Alerts, Action group and Azure Graph Explorer, such that a Function app could be triggered whenever a particular set of events occurred in our Azure environment on the Data plane or control plane.	
• Used Azure Application Insights and Log Analytics workspace for storing the logs generated by the function app, thus simplifying issue detection and error analysis.	
• Designed and implemented a monitoring dashboard using logs generated by Azure Function app and integrating Azure workbooks and Dashboards for monitoring the health of the function app and our Azure environment.	
• Worked on requirement gathering for whitelisting of various Azure services such as Azure Key Vault, Azure Digital Twins, Stack Edge, IoT Central. Collaborated with cross-functional teams to gather all the requirements.	
• Presented findings at weekly research meetings	
• Developed enforcements using Azure Policies(Deny, DeployIfNotExists and Modify effects) and Azure Runbooks so that all the security requirements and best practices are ensured while deploying any of the Azure services.	
• Used BDD framework and X-Ray testing for testing of these enforcements	
• Designed and implemented a full-stack web app using Django Rest framework on the backend and Angular as the frontend for an internal project.	

IIT Bhubaneshwar <i>Teaching Assistant</i>	May 2021 – May 2022 Bhubaneshwar, India
• Assisted a class of 20 students in performing experiments on IC engines	
• Maintained a daily record of students who attended the session	
• Graded and set problems/questionnaire for students	

TECHNICAL SKILLS

Languages: Python, PowerShell, TypeScript

Cloud and DevOps: Azure (Functions, Service Bus, CosmosDB, Event Hub, Key Vault, Stream Analytics, Automation Account, Table Storage), GitHub Actions

Frameworks: Angular, Django REST Framework, BDD

Monitoring: Application Insights, Log Analytics, Azure Workbooks

Testing: BDD, X-Ray

Version Control: Git

AWARDS AND CERTIFICATIONS

Awards

- Won the **Team Player** Award from Azure OSS Business Unit, LTIMindtree(2022)
- Won the **Optimism** Award in the iWin Award ceremony, LTIMindtree(2022)
- Won the **Gracious** Award in the Gracious Award ceremony for exceeding expectations at LTIMindtree(2025)
- Secured **98.5** percentile in GATE 2020

Certifications

- AZ-204: Developing Solutions for Microsoft Azure
- AI-102: Designing and Implementing an Azure AI Solution
- AZ-900: Microsoft Azure Fundamentals
- DP-900: Azure Data Fundamentals
- GitHub Foundations Certification