UTAKARSH NEMA

LEAD SOFTWARE DEVELOPER

CONTACT

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bit.ly/utknema

TECH SKILLS

- Python Programming
- Jenkins
- Kafka
- AWS
- Unix
- Docker
- Kubernetes
- Oracle/ SQL
- Git

SOFT SKILLS

- Teamwork
- Problem Solving
- Critical Thinking
- Adaptability
- Emotional Intelligence
- Public Speaking
- Creativity
- Communication

PROFILE

8+ years of experience as a Lead Software Developer, specializing in Python development, Docker, and Kubernetes. Skilled in designing, developing, and maintaining software systems across diverse platforms and technologies. Proficient in delivering efficient, scalable solutions while excelling in both independent and team-based projects.

EMPLOYMENT HISTORY

Lead Software Developer, Amdocs
May, 2022 --- Present

- Currently leading a team of 6 to implement release upgrades for a Python-based microservices architecture running on Docker containers and kubernetes pods across 100+ environments, supporting 20k+ automation workflows across 55+ accounts. This framework follows an IaC model, utilising CI/CD pipelines to integrate Git with Dev, UAT, and PROD environments for automation deployment and continuous monitoring.

- Integrated AWS Subscriber with Kafka for Kubernetes pods, automated pod data transfer to S3 with Python and policy configuration, reducing action time by 75% and optimizing automation frequency by 40%.

- Collaborated with stakeholders—including architects, developers, product owners, and end-users—to gather requirements, resolve critical issues, implement automation tools, and ensure 95% on-time delivery. Led design discussions and technical scrums, focusing on integrative features across technologies like Python, AWS, PHP, and databases.

- Leveraged tools such as CloudWatch, Athena, and Selenium for debugging and code reviews. Partnered with the IT team to address security vulnerabilities, including DDoS protection, key rotation, and privilege escalation, securing automatic billing for 20+ projects impacting 100M+ end users.

- Led automation of GUI and back-end test cases, reducing manual UAT testing by 60%. Developed a PHP plugin for an in-house tool to integrate MS Teams Calling with AWS and Azure Call Bot, cutting manual operations efforts during outages by 90%. Contributed to optimising Jenkins builds by switching to web hooks, reducing server load by 75% across 55+ accounts.

- Enhanced and Supported the BMC Remedy Tool for 50+ accounts, ensuring efficient ticketing and issue resolution.

Academics

- BE in CSE, LNCT Bhopal
  - Year: 2012-16
  - Score: **8.66/10**
- 12th, CBSE
  - Year: 2010-11
  - Score: **87.8%**
- 10th, CBSE
  - Year: 2008-09
  - Score: **92.4%**

Certifications

- Isro Global Navigation Certification
  - bit.ly/isro_global_navigation
- Isro Geoprocessing using python
  - bit.ly/isro_geo_python

Software developer, Amdocs
April, 2020 --- May, 2022

- Feature contribution to existing Billing assistant tool which includes:
  - Improvements in Billing cycle runtime.
  - Python-AWS integration for data upload to s3 bucket
  - Interacting the Windows files from Linux Environment using the **pypsrp.wsman** and **pypsrp.powershell** python modules.
  - API invocation for Couch base DB from Python
  - SFTP functionality enhancement using the **paramiko** module
  - MSSQL Queries invocation using **pyodbc** module
- Implementation of Billing Automation tool in 20+ accounts.
- Contribution as the core developer in leading major feature changes in the In-House RnD unit which maintains and develops features across 6 Automation applications.

Software Engineer, Amdocs
August, 2016 --- April, 2020

- Face-to-face client interaction with Telecom giant *Telefonica* in Peru, South America for a total of 3 months including business ideation and automation improvements
- In-depth Code and Business level understanding of **Ordering and Billing applications, such as. OMS, CRM, ABP**. Defect analysis and provide solutions to customers related to the product mentioned.
- Usage of Eyeshare Remote Process automation for implementation of various flows and recurring processes.