👨‍💼 **Akhil Tripathi** | 📞 +91-8722032299 | ✉️ akhiltripathi.t1@gmail.com
https://www.linkedin.com/in/akhil-tripathi-61b599b1/

Engineering Manager | Technical Lead | Senior Software Developer
12+ years of experience in backend development, cloud infrastructure,
and technical leadership across BFSI, Energy and Utilities, Telecom domains.

💼 Professional Experience

Skills	Python	AWS	PostgreSQL	Rest API	Django	DevOps	Agile	JavaScript
Exp	9 years	6 years	6 years	8 years	5 years	5 years	5 years	4 years

🏢 HSBC Software Development Pvt Ltd

Technical Lead | *Sept 2023 – Present*
Python, AWS, PostgreSQL, Terraform, Flask, JIRA, Confluence, Service Now

- **Cloud Backend & API Development**: Enhanced HSBC's IMRO Application with a 40% faster response time and 20% greater stability. Developed and deployed AWS Lambda APIs in Python, handling 1000+ daily requests with sub-200ms response times.
- **Cloud Design and Architect**: Optimized system performance by 30% and reduced costs by 25% through integrating AWS tools: Lambda, API Gateway, RDS, VPC, Security Groups, Cognito, and CloudWatch
- **Cost Optimization**: Created an automated service to delete Idle projects automatically resulting in 1,00,000 US$ saving each year and implemented several other cost-saving measures, reducing monthly expenses by 15%.
- **Automation and Scalability**: Led several event driven and scheduled data job creations to refresh RDS syncing Systems together, cutting manual work of data transfer by 90% and enabling daily data refresh.
- **Infrastructure as Code (IaC) and DevOps Proficiency**: Employed Jenkins and Terraform for deploying new release every month, reduced deployment time by 40% and cut monthly infrastructure expenses by 15%.
- **Project & Delivery Management**: Led sprint planning, risk tracking, stakeholder communications, and coordinated cross-functional teams, ensuring timely delivery, continuous improvement, and alignment with business priorities.

🏢 HCL Technologies

Technical Specialist | *Nov 2022 – Sept 2023*
Python, Django, Flask, Docker, Kubernetes, MySQL, MongoDB, Nornir , Netmiko

- Architected Direct-To-Device module for enterprise-grade network automation, one of its kind in CISCO and first device module in python.
- Led refactoring of 1.5 years of legacy code into modular, reusable libraries which reduced production error by 80 % QoQ.
- Introduced unit testing practices, reducing defect rates in production by 40%.
- Coordinated cross-functional planning with product owners and scrum masters.
- Recognized as "**Star Performer**" for exceptional delivery within 1st quarter post joining.

🏢 Capgemini Technology Services

Senior Developer / Technical Lead | *Mar 2021 – Nov 2022*
Python, Java, Springboot , PostgreSQL, AWS, Terraform, Jenkins

- Managed a 6-member team delivering on AWS-native microservices for a banking client.
- Automated deployments using Terraform, Jenkins, and GitHub CI/CD workflows.
- Developed bulk data import/export solutions improving operational speed by 60%.
- Translated business requirements into scalable REST APIs with low latency.
- Produced detailed documentation and handover SOPs for long-term maintainability.

🏢 Carrier Abound

Full Stack Developer | Oct *2012 – Mar 2021*
Python, Django, Windows Server, Linux Server, PostgreSQL, MySQL, Spotfire, MS-EXCEL, VBA, Java, PHP, HTML, CSS, JavaScript, jQuery

- Built a full-stack **CRM** tool using Django & DRF, saving $ **9000/**month in licensing cost.
- Developed a queue-based ticketing solution integrated across teams and clients helped in improving SLA time by **90 %**.
- Automated batch jobs and legacy data migration scripts from MySQL to PostgreSQL.
- Delivered Knowledgebase APIs for analysts to support real-time queries.
- Championed internal process improvements through cross-functional syncs.
- Built custom Excel-VBA tools for flat file and DB integration.
- Created shell/Python scripts to automate incident alerts and status reports.
- Received the "**SuperHero Award**" in the Innovation Category from TalkTalk client for significantly reducing the call barring removal timeline from 24–48 hours to under 2 hours, demonstrating exceptional problem-solving and customer impact.
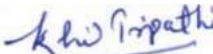
🎓 Education

Year	Degree	Institute	CPI %
2008 – 2012	B. Tech	Dr. APJ Abdul kalam Technical University, Lucknow	60.7 %
2006 – 2007	SSC (12)	Dehradun Public School, Ghaziabad	57.8 %

📜 Certifications

- **AWS Certified Developer – Associate (2021)**

Declaration: I agree to processing of my personal data contained in my CV or other documents attached to the CV (my recruitment application), for the purposes of recruitment for the position indicated in the job advertisement. In addition, I agree to the employer's processing of personal data contained in my recruitment application for future recruitment purposes.

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