**Udit Pathak**

**Summary**

A Solutions Architect with 7 plus years of experience in defining, creating, and maintaining end to end development, deployment, and monitoring pipelines and frameworks, process automation, and build & release management. Worked in cross-functional roles across teams to support implementation of processes, policies and technology with a high-level view of the system. I also have a good understanding of how cloud services such as those of Azure and AWS work and have a particular interest in gaining more insight into it.

I consider myself an ML enthusiast. I have now worked over two years in machine learning operationalization across different projects with the focus being on the aspects that can be automated. I designed development, deployment and monitoring frameworks for ML models in an environment agnostic fashion. I worked on validation framework for not just one project but generic blanket validations by defining rules developed across assessment dimensions of data and models. I worked for cloud and on-prem solutioning.

I have recently completed an exhaustive two-year executive MBA from IIM Lucknow with a personal interest in Strategy. My last job provided me with the exposure to the business end of the company where I contributed across business teams and client interactions to help identify areas of growth and develop assets and collaterals to help convert identified leads into project sign-ups. I did all this while working as an AI Architect and Project lead to help deliver our commitments.

**Business Skills**

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| **• Communications** | * Good at client interactions, presentations, case studies and technical articles * Work alongside customers to capture and consolidate their high priority as well as long term use cases, to be able to build a long-term roadmap |
| **Analytical** | * Decision making based on available reliable information for any given situation * Optimized process management for user-stories with reducing the risks, bottlenecks and increase efficiency |
| **Strategic thinking** | * Situation Management and negotiations skills with stakeholders at all levels. * Optimized process management for user-stories with reducing the risks, bottlenecks and increase efficiency |
| **Technology savviness** | * Continuous learning to gain technical breadth and depth * Working with concepts rather than platforms to create environment agnostic solutions |
| **Leadership** | * Build and manage the teams for 5+ projects start from MVP level in 5-10 team * Optimized process management for user-stories with reducing the risks, bottlenecks and increase efficiency |

**Technical Skills**

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| **• Environments** | Windows, Linux, Hybrid cloud servers |
| **Languages** | Java, Python, Scripting (Bash/Groovy/PowerShell) |
| **Microsoft Technologies** | GitHub, Azure Cloud, Excel, PowerPoint |
| **Database** | MySQL, MSSQL |
| **Servers** | Apache HTTP, IBM WAS, Apache Tomcat, Nginx |
| **Development Tools** | Visual Studio Code, Jupyter Notebook |
| **Management Tools** | Apache SVN, GitLab, Jenkins, SonarQube |
| **Domains** | Telecom, Sales Consulting, E-Governance |

**Professional Experience**

***CitiusTech Healthcare Private Limited Duration: Apr 2018 – Dec 2019***

A through and through healthcare IT services-based company providing solutions and consulting in digital transformation, data sciences and analytics as a service.

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| **Project** | **MLOps Implementation (Cloud/On-prem), MLOps Assessment (Med Devices, Regulatory Ops) Duration: Sep 2021 – Present** | |
| **Summary** | Capturing client requirements and creating solutions to be proposed through sales calls and project kick-offs. Designing cloud and on-prem architectures for ModelOps across the data science life cycle with development, deployment and monitoring frameworks. |
| **Main Technologies** | Model Development and Deployment Framework using GCP Vertex AI, AWS SageMaker Studio, Azure ML Studio.  Python, SQL, Jenkins, SonarQube, Apache Tomcat, PowerShell, bash, Windows, Linux, Docker, MLFlow, Power BI |
| **Responsibilities** | * Engage with customers and conduct kick-offs to give the client a perspective around the professional services scope, approach, and next steps * Work with customer to capture and consolidate their high priority as well as long term use cases, to be able to build a long-term roadmap * Support internal technical consultants, client's developers and third parties throughout the implementation process from a business perspective * Identify customer pain points and ideate with them for improving the offering's adoption across different projects * Work to educate clients on the best practices in relation to their specific industry and key business requirements * Manage multiple client engagements / portfolio of engagements simultaneously * Actively help in the recruitment process to fulfil client requisitions by participating in resume shortlisting and interviewing the candidates and training teams to do the same effectively * Devise training plans after studying the requisition trends for the previous quarter to ready resources as and when the clients are onboarded * Research on designing and then documenting solutions for on-cloud and on-premises requirements for multiple client | |

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| ***Denave India Pvt. Ltd. Duration: Dec 2019 – Sep 2021*** Denave India is an end -to-end sales enablement service provider with a multi-product basket to help clients boost their sales across geographies. | | | |
| **Project** | **CRM App, Sales process automation and UDB services, Duration: Dec 2019 – Sep 2021** | | |
| **Summary** | Providing Intelligent services with virtual retail solution and retail analytics clubbing it with Sales process automation. |
| **Main Technologies** | Java, Python, SQL Server, Jenkins, SonarQube, Apache Tomcat, Azure cloud (Hybrid cloud infra), PowerShell, bash, Windows, Linux, Docker |
| **Responsibilities** | * Defined and developed complete in-house CI/CD pipeline with GitLab code versioning and issue tracking * Automated build processes for Java applications and Mobile builds with integrated automated testing * Automated Python API deployment using Docker containers for resource management and consistency across environment * Integrated SonarQube for code quality checks and reporting to concerned people | | |
| ***VCare Corporation Duration: Apr 2018 – Dec 2019***  A Telecom billing and OSS Solutions provider in the US and European region and a leading business process outsourcing services provider. | | |
| **Project** | **OCS systems, New Telecom integrations, WordPress Duration: Apr 2018 – Dec 2019** | |
| **Summary** | Migrate from old to new tech. Manage OCS uptime and integrate new telecom providers in the API ecosystem | |
| **Main Technologies** | Linux, Apache HTTP, PHP, MySQL (LAMP Stack), Java, Python, Subversion, AWS cloud services, WordPress, Docker | |
| **Responsibilities** | * Subversion server setup and migration to Git server * Automation Scripting for project integration and deployment from development to production environment * Assisted in code migration of the Online Charging System from PHP to Python * Setting up and hosting newly acquired projects and their deployment maintenance | |
| ***PIT Ventures Pvt. Ltd. Duration: Aug 2017 – Mar 2018***  A small firm catering to the boom in news websites and digital marketing | | |
| **Project** | **Local business News websites, digital marketing Duration: Aug 2017 – Mar 2018** | |
| **Summary** | Setting up new websites and managing server and multi-aggregator-platform integration for all news websites. | |
| **Main Technologies** | Linux, Apache HTTP, PHP, MySQL (LAMP Stack), Shared cloud VPS, WordPress, Bash scripting | |
| **Responsibilities** | * Developed WordPress based news/brand websites for local clients * Provided managed server service for website uptime * Consulted on Digital marketing projects * Managed SEO and SEM optimization across projects | |
| ***Tata Consultancy Services Duration: Jul 2015 – Jul 2017***  A global leader in IT Services, consulting and business solution design and implementation. | | |
| **Project** | **Passport Seva Project Duration: Jul 2015 – Jul 2017** | |
| **Summary** | PSP is a public-private partnership model to simplify the process of issuing Passports in India and Passport Missions across the globe. | |
| **Main Technologies** | Linux, IBM WAS, IHS7, JBoss Firefly, Java, Spring, Struts, Jenkins, SVN, SonarQube, Bash Scripting, AngularJS, Android and IOS apps | |
| **Responsibilities** | * Admin for the Build, Release and Deployment * SVN admin. Release manager. Primary admin for Internal ticket management system   and also maintained its database   * Designed and managed CI/CD scripts for development and test environment * Designed and created report generation tool for Business Teams * Conducted monthly BCP drills, automated most of the drill via scripting * Managed project Go-Live events for all releases | |

**Educational Background**

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| **Degree/ Certificate** | **Score** | **School/ College/ University** | **Passing year** |
| MBA | 6.26/10 | Indian Institute of Management, Lucknow | 2022 |
| PDG in Data Science | 3.2/4 | IIIT, Bengaluru | 2020 |
| B. Tech (ECE) | 67% | Birla Institute of Applied Sciences, Bhimtal | 2015 |
| HSC | 79% | St. Joseph’s College (ISC), Allahabad | 2010 |
| SSC | 87% | St. Francis’ College (ICSE), Lucknow | 2008 |

**Other certifications**

* MLOps fundamentals of Continuous Integration & Continuous Delivery (CI/CD) using Azure DevOps & Azure Machine Learning