

Rajesh kumar

Enterprise Architect & Director of Engineering

DevOps, DevSecOps, SRE & Microservices

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Total, Over 18 years of extensive experience working with more than **11 software development** companies for software development & maintenance of production environments involved in continuous improvement and automating entire life cycle using latest devops tools and techniques from design and architecture, through implementation, deployment, and successful operations. Transformed more than **200 software organizations & 30000+ engineers** globally, providing coaching, **mentoring and consulting in DevOps, CICD, Cloud, containers, SRE, DevSecOps, microservices and operations.**

I help software organization to improve a quality of the software, reducing the software development/operational cost and immediate feedback/monitoring.

As part of Executive Leadership at Cotocus, I am responsible for Strategy, Business, Technology and People. Building next-generation Digital Technologies, to provide a complete Hyper-Automation in Healthcare, Education, Home Services, Digital Marketing, and Travel/Tourism.

I have worked on:

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| <ul style="list-style-type: none">• DevOps Implementations• Continuous Integration & Delivery• Continuous Deployment• Continuous Inspection• Site Reliability Engineering(SRE)• Digital Marketing Expert | <ul style="list-style-type: none">• DevSecOps, Sercurity & SIEM• Docker & Containers & Kubernetes• Cloud AWS, Azure & Google Cloud• Microservices• Monitoring & Observability• AiOps, MLOps, DataOps |
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Experience Summary

1. **Director of Engineering** DevOps & SRE, **Cotocus** (April 2020 and)
2. Principle **DevOps Architect** & Manager, **Cotocus** (May 2016 and Mar 2020)
3. Sr. **Build and Release** Engineer at **ServiceNow**, Netherlands (June 2015 and May 2016)
4. Sr. **DevOps** Architect at **JDA Software**, India (Sept 2014 and May 2015)
5. Sr. **DevOps** Engineer (SCM) at **Intuit**, India (July 2013 and Sept 2014)
6. Sr. **DevOps** Engineer (SCM) at **Adobe Systems**, India (April 2011 and July 2013)
7. Sr. **Build & Release** Engineer at Emptoris (**IBM**) Technologies (May 2010 to April 2011)
8. Sr. **Build & Release** Engineer at **Ness Technologies**, India (September 2009 to May 2010)
9. Sr. **Software Engineer** at **MindTree** Ltd., India (August 2006 to September 2009)
10. Jr. **Software Engineer** at **Accenture**, India (September 2005 - July 2006)
11. **Sotware Developer** at **SurgeryPlanet**, India (July 2004 - August 2005)

Education Summary

- ✓ **M. Tech in Software Systems**, BITS, Pilani, India
- ✓ **Master in Science (Information Technology)**, Annamalai University, India
- ✓ **Bachelor of Information Technology**, IGNOU, India
- ✓ **Higher National Diploma in Computing & Multimedia**, Edexcel Foundation (UK)
- ✓ **XII (12th)**, JIEC, India & **X (10th)**, BSEB, India

Skills Set

| | <i>Area of Expertise</i> |
|------------------------------------|---|
| Languages | Python, PHP, Java, Golang, HTML, JavaScript, C++, DOTNET |
| Process & Practices | Agile, DevOps, SRE, DevSecOps, DataOps, MLOps, AiOps, GitOps |
| Version Tools | Git, Gerrit, Gitlab, Github, Bitbucket, Perforce, SVN and TFS, GitOps |
| CI Tools | Jenkins, TeamCity, Bamboo & UBuild, ArgoCI, Azure DevOps, Gitlab |
| Packaging Tools | Packer, Wise Studio, InstallAnywhere and Linux RPM |
| OS | Windows, Linux, Ubuntu, Centos, Solaris, RHEL, Mac OS X |
| Build Tools | Maven, Gradle, PyBuilder and MSBuild, Jenkins Pipeline, Azure DevOps |
| Test & Quality Tools | Selenium, Jmeter, Azure DevOps |
| Infra Scripting | Terraform, CloudFormation, Bash Scripting, Yaml, JSON |
| Config Management | Ansible, Puppet and Chef |
| Delivery & Deployment | UDeploy, Octopus Deploy, XL Deploy, XL Release, Spinnaker, Argo CD, Argo Events, Argo Workflows, Azure DevOps, RunDeck, CloudBees CD/RO |
| Cloud Platforms | AWS, Microsoft Azure, Google Cloud, VMWare, OpenStake |
| Containers Platforms | Docker, Kubernetes, Docker Compose, RedHat OpenShift, VMware Tanzu, Rancher, KubeEdge |
| Networking,DNS,Service mesh | Linkerd, NGINX, HAProxy, Envoy, Traefik, istio,consul, Ambassador |
| Package & Repository | Packer, Nexus, Artifactory & Nuget |
| Infrastructure Monitoring | Prometheus, Datadog, Grafana, Nagios, Zaabix, NewRelic, Dynatrace |
| Log Monitoring | ElasticSearch(ELK) and Splunk, Datadog, NewRelic |
| Performance Monitoring | NewRelic APM, Datadog APM, Splunk APM, Elastic APM, AppDynamics |
| Dashboarding | Kibana, Grafana |
| Databases & Data Store | MySql, PostgreSQL, MongoDB, InfluxDB, Loki, Elasticsearch, Graphite, ElasticSearch |
| Coverage - Analysis | SonarQube, Jacoco, Fortify |
| DevSecOps / Security | HashiCorp Vault, Notary, Chef InSpec, OWASP SonarQube, Fortify, SIEM |
| Project Management | Jira, Wordpres, Atlasso Wiki, Trello, Zendesk |
| Digital Marketing Tools | Google Marketing Platform, Google Ads, Facebook Ad, Google Analytics, Linkedin ads manager, Wizbrand |

Current Project @ Cotocus

I am managing the entire Engineering team consist of 15 highly skilled software engineers and working in the area of technical product design, development and delivery from scratch for digital transformation in DevOps, SRE and DevSecOps.

Responsible for maintaining a positive work environment, mentoring team for optimal productivity and established project milestones. Manage the handling and assigning of daily tasks within the company. Address customer concerns in reference to products, services rendered, or employee interactions.

Broadly supporting the development and operations of Jetexe Aviation, Professnow, Wizbrand, Ai Aviation Academy, MyHospitalNow, HolidayLandmark & DevOpsSchool in pre-prod and prod environment.

Also, involved in coaching various enterprises for bringing real values of DevOps, DevSecOps, SRE, Cloud and Containers & Kubernetes. Through corporate consulting and training relating to DevOps, DevSecOps, SRE, CICD, Cloud automation and Migration, Microservices and Containers.

Successfully transistions through mentoring and consulting for 200+ organization in the last 6 years includes Verizon, Nokia, World Bank, L&T Technology Services, Sapiant, Astrazenica, Cognizant, Vodafone, HCL, Mphasis, Barclays, ITC, Tata Technology, CastSoftware, BMC, WorldBank, Cognizant, Qualcomm, HCL, Citrix, 3DPLM, Namecheap, Qualcomm, EMC2, Vodafone, BMC, HSBC, Toshiba, Hexaware, Citrix, Wellsfargo, IBM, Brillio, HPE, Synechron & many more

My Training and Consulting Projects (2016 – 2022)

Complete List - <https://www.rajeshkumar.xyz/clients/>

My Contributions

- ✓ **30000+** – I have mentor/coach more than 30000 engineers for implementing CI/CD, DevOps, DevSecOps, Security, Cloud, SRE and Containers and helping organization to find their best tools for SDLC and productions needs.
- ✓ **My VideoLog** - @youtube
 - <https://www.youtube.com/channel/UCrXr49kBvXJeQMMI2693c4g>
 - <https://www.youtube.com/channel/UC2srBvMPv9ISmdYmzE-j0TQ>
 - <https://www.youtube.com/channel/UCoMCABF9nKWzuLcS7-aAgmA>
 - https://www.youtube.com/channel/UCTkBkcq-a4pFfj_9UO7kuvA
- ✓ **My Tech Blog** – <https://www.devopsschool.com/blog/author/rajeshkumar/>

My Roles / Responsibilities (2005 – 2022)

- Managing and mentoring a team of 15 people of Cotocus's development, qa and prod environment.
- Actively seek to resolve any concerns while adhering to the company policy and standards of behavior.
- Ensure proper communication concerning changes in established milestones or challenges that may affect the outcome of a project's completion date
- Cloud Migration from Private Cloud to Public Cloud on AWS, Azure and Google Cloud.
- Setting up productions end to end services on AWS, Azure and Google Cloud.
- Implemented continuous planning with agile/scrum to have better integrations with continuous development for various projects.
- Implemented full cycle of observability including Infra, Logs, APM & Synthetic monitoring.
- Design & Implemented business by using best practices, Defining the security architecture, security tools, techniques, methodologies to implement secure development and production environment in cloud/containers platform on IaaS & PaaS
- Setup a systems from scratch for continuous inspection to reduce a technical debt and improving software quality.
- Implemented continuous integration and delivery practices for the project in order to improve the software quality, reduce the cost and immediate software delivery.
- Maintain, managed, enhanced builds and releases to various environments, such as development, QA, pre-production and production.
- Helping organization to reduce the technical debt using Continuous Inspection and Monitoring.
- Worked and being part of dev, qa and operations team to architecture, design, and implementations of new and existing systems to enhance their reliability, performance, efficiency, and scalability.
- From last 15 years, I was extensively involved in migration from physical servers to vms, vms to aws and most recently Vms to containerization.
- Most of the projects, i acted as a individual contributor, managing entire project infrastructure from pre prod to prod which includes version control, build servers, deployment servers, staging servers, qa servers, monitoring & prod servers.
- Developed and maintain an efficient and flexible automated deployment/qa framework that ensured repeatable and reliable deployment of releases into multiple environments and immediate feedback to concern team.

- Helped organization and setup a process of branching and merging strategies for major, minor, maintenance and patch releases.
 - Sharing a knowledge is a key in DevOps and I setup a process & platform in which team should be motivated/enabled for project documentation, such as code docs, build procedures, build release notes, and installation/configuration notes, todo, devenv setup etc.
 - Setup a monitoring, and alerting systems for pre prod CI servers as well productions servers, Also proving a lead response, quick troubleshooting, postmortem analysis, and resolution as well as coordinate between a dev-qa-operations team.
 - During my work tenure, i have earned a proven track record of success and excellence in working with enterprise class large scale applications in development and production environments.
 - Implementing End to End Digital Marketing Pratices using Google Marketing Platform, Google Ads, Facebook Ad, Google Analytics, Linkedin ads manager, Wizbrand
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