







Alok Kumar Singh

-  Senior Software Engg - Devops at Tesco
-  Total experience of 5 years
-  KIIT University
-  Bangalore

Job Preferences

Interested in **DevOps** positions.

Only willing to work in Bangalore.

Can start working **2 months** after accepting offer.

Summary

With an overall experience of 5 years as an IT infrastructure professional, I am currently working as a Devops Engineer at Tesco. My work here initially involved designing and implementing Devops solutions (continuous integration and delivery) across various agile cells. Lately I have been involved in doing POCs on opensource container technologies like docker and coreOS to help scale our applications with the load and keep them highly available.

As a part of my previous work experience at Amdocs, I was in the infrastructure team where I worked on implementing SCM/ALM solutions, automating and developing internal infrastructure tools. I also worked onsite playing the role of Site reliability Engg to keep our production systems up and running all the time for our customers.

I am a highly motivated professional interested in all areas related to infrastructure development in heterogeneous and complex environment. I am an open source enthusiast actively involved in FOSS groups and meetups.

Skills:

- **Linux Systems:** In-depth understanding of system internals, how linux systems work from booting to running a process. Experienced with multiple OS and virtualization. High-availability, capacity planning and management in virtualized environments, system monitoring, troubleshooting, fault isolation and root cause analysis.
- **Scripting/Coding:** Thorough knowledge of Bash and Perl to automate daily work and develop tools. Good working knowledge of opensource language Go/Golang used for the new age infrastructure.
- **Container Platform:** Design and implement next generation container-cloud platform. Working knowledge of opensource technologies like Docker, Openshift, CoreOS and Kubernetes to make auto-scalable container platform.
- **Source Control:** Git, TFS, Xtrac.

- Automation: Jenkins, Nolio, Vagrant.
- Configuration Management: Puppet
- Build Automation: Ant and Make.
- App servers: Worked with two app servers mainly Weblogic and Jboss.
- Load Balancer: Exposure to open source load balancers like HAProxy.

Skills

DevOps Linux Ci/Cd Chef Docker Coreos Git Jenkins Shell Scripting

Work Experience

Senior Software Engg - Devops at Tesco

Mar '14 - Present

Description: Tesco is the world's third largest retailer. Tesco Hindustan Service Center located in Bangalore, India is the technology and operations center for Tesco worldwide.

Primary Responsibilities

- Design and implement devops solutions with continuous integration and delivery processes for various agile cells.
- Conceptualize, develop, and evaluate different architectures based on user and application requirements.
- Continuous delivery maturity assessment for the various agile cells.
- Design and Implement next generation container cloud platform for few of the new applications which are in development phase.
- Provide technical leadership to all phases of the cloud program including platform as a service (PAAS) and cloud application architecture for new applications.
- Expand and evolve existing Infrastructure in a scalable, highly available, and distributed fashion.
- Perform performance analysis, proactive troubleshooting, continual improvement and capacity planning for production environments.
- Review entire environment and execute initiatives to reduce failures, defects and improve overall performance and reliability.
- Build and deployment automation for different application including IBM sterling OMS (order Management System), DO (Delivery Options), VAT (Value Added Tax), PTE (Parcel Tracking Engine), and REG (Seller Registration) in TFS 2010.
- Automating the builds in TFS 2010 and creating pipelines in Jenkins.
- Customizing the TFS Build Workflow according to the project requirement.
- Working towards continuous improvements of overall build and deployment process.
- Involved in Automating the Deployments using scripts and Nolio for the existing projects.

Recognition and Awards:

- Rewarded with Cash Incentive programme for good performance.

- Rewarded with couple of value awards for reducing the build duration by 54% for one project and developing daily dashboards for developers.

Senior Subject Matter Expert (/Infra Ssme) at Amdocs Development Center

Jun '10 - Mar '14

Description: A global company (NYSE: DOX) with revenue of \$3.0 billion in fiscal 2010, Amdocs is the market leader in customer experience systems innovation with over 19,000 employees delivering the most advanced business support systems (BSS), operational support systems (OSS) and service delivery to innovative service providers in more than 60 countries around the world.

The Advertising & Media (A&M) division of AMDOCS, of which I was a part, specializes in Yellow Pages products, solutions and services.

Primary Responsibilities:

- Building and maintaining application environments.
- Writing automation tools for deployments, environment management and monitoring.
- Developing daily/weekly dashboards tools.
- Editing configuration files for integration between different products and automating most of the manual tasks involved.
- Troubleshooting errors at various stages of production cycle including production.
- Deploying and maintaining application source code.
- Attending project meetings and estimating MM required for new change requests.
- Mentoring new team members.
- Travelled on-site multiple times for Major Production Releases and Site Reliability support.
- Worked in onshore-offshore model.

Recognition and Awards:

- Sensis YP - Australia
- Implementation of Monitoring Tool: Went to Melbourne, Australia in March 2012 as an Infra representative for the successful implementation of Release 15.1 which involved development of Operator Daemon Control (a monitoring tool)
- Linux Migration: Also went in November 2013 to Melbourne for the migration of production systems to Linux from UNIX. I was recognized and appreciated for implementing it alone at site. The complete release automation was done using Perl and Bash.
- Adsa YP - Seccion Amarilla - Mexico
- Automating deployment.
- Developed a tool (Hot Fix System) for propagating the code to various environments and tracking its status.

Education

KIIT University

B.Tech in Computer Science

2006 - 2010

Links



(<https://www.linkedin.com/in/linktoalokumarsingh>)



(<https://github.com/alok87>)



(<http://www.pluralsight.com/profile/alok87>)