




Praveen Kumar

KARNATI

SENIOR SOFTWARE ENGINEER

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 praveen-karnati

I am seeking a Senior/Lead DevOps Engineer position.

Summary

- Twelve plus years of experience in building software and delivering results on high traffic applications hosted on-premises and in the cloud.
- Five plus years of experience working in cloud environments.
- Worked in several areas of software development including pre-sales, requirements analysis, design, build, CI/CD, cloud management, production support and maintenance of on-premises and cloud environments.
- Worked in Utility (mostly Power) and Airline domains. Experience working at a startup as well as large companies.
- Programming and automation (of testing and deployment) are what I love doing most.

Languages: Java, Kotlin, Linux Scripting, JavaScript, HTML, CSS

Frameworks: Spring, MyBatis

Source Control and Automation: Git, Subversion, Jenkins, Azure-DevOps, GitHub Actions

Application Environments: Tomcat, JBoss, IIS, Apache Web Server, AWS, Azure

Databases: Oracle, MySQL, PostgreSQL, MS-SQL

Operating Systems: Linux, Windows, macOS

Familiar with: Docker, Kubernetes, Terraform

Arizona State University

Tempe, AZ

Master of Science

Major: Computing Studies

PROFESSIONAL EXPERIENCE

Self Employed

Sep 2021 – Present

Senior Software Consultant

Providing software consulting services independently.

American Airlines Inc, Tempe, AZ

Senior Software Engineer

Apr 2018 – July 2021

Software Engineer

Mar 2017 – Mar 2018

Worked on next generation suite of applications as a trusted senior engineer in close association with the lead engineer. The applications enable customer service agents to look up various details of passenger reservations that help in assisting travelers on the go. Application functionality includes passenger check-in, boarding status information, bag tag printing, collecting baggage fee at the ticket counter or the gate, tracking connecting flight information.

Responsibilities:

- Worked on backend REST APIs using Domain Driven Design principles. These APIs are used by UI components.
- Secured REST APIs using Azure Active Directory OAuth2.
- Worked on CI/CD pipelines for API and UI components using Azure-devops and deploy to Azure cloud.
- Migrated CI/CD pipelines from Azure to GitHub Actions.
- Setup blue-green deployments in Azure cloud.

Environment/Technologies: Kotlin, Java, **Azure cloud**, Spring boot, Spring security, **Azure-DevOps**, **GitHub Enterprise**, **GitHub flow**, **GitHub Actions**, Tomcat, Linux, SOAP and REST web services, API development and management.

Worked on Your Assistance Delivered Anywhere application as a senior engineer. The application supports access to inbound connecting passenger and gate information and other passenger information that is helpful to the agents.

Responsibilities:

- Worked on backend and frontend modules.
- Technically lead resolving issues related to PCI (Payments Card Industry) standards compliance.
- Worked on PCI compliant solution for payment processing module.
- Worked on Jenkins pipelines for CI.
- Worked on shell scripts to simplify manual deployment process.

Environment/Technologies: Java, HTML, CSS, Android, Spring boot, Spring security, **Jenkins**, **PCI**, **GitHub Enterprise**, **Git flow**, Tomcat, Apache HTTP Server, Linux, Shell Scripting, SOAP and REST web services.

Worked on airline baggage tracking application. The application tracks baggage, sends proactive notifications to travelers about delayed bags and determines the reasons for lost or delayed baggage.

Responsibilities:

- Designed, developed, and maintained backend event driven application consuming messages from IBM MQ and processing the messages to update the state.
- Moved the source repository from TFVC to Enterprise GitHub.
- Worked on Jenkins pipelines for CI/CD.
- Worked on a redesign of the application using Kafka streams.

Environment/Technologies: Java, Linux, Spring boot, TFVC, **GitHub Enterprise**, **GitHub flow**, **Jenkins**, **Azure-DevOps**, **Kotlin**, **Kafka**, Tomcat, Apache HTTP Server, Linux, Shell Scripting, SOAP and REST web services.

KUBRA (iFactor Inc was acquired by KUBRA in 2016), Tempe, AZ

Team Lead, Mapping Solutions

Senior Software Engineer

Software Engineer

Software Developer Intern

Jul 2016 – Sep 2016

Oct 2012 – Jul 2016

Aug 2008 – Mar 2012

May 2008 – Jul 2008

Worked on outage communication software applications including web-based outage maps where outage information is overlaid on Google / Bing maps, notification software which sends out text, email and voice notifications about outages, billing information and energy usage, mobile apps that combine the features of outage maps and notifications.

Responsibilities:

- Worked on backend and frontend modules of outage communication software.
- Participated in on-site workshops to understand client needs prior to working on customizing any product.
- Automated deployment of software applications to servers.
- Automated application packaging using Ant, Maven, Gradle, Grunt, Bower, Nexus.
- Administered on-prem and AWS cloud environments.
- Administered git and nexus repositories.
- Provided suggestions to higher management on the road map for various software products.
- Assisted sales teams in brainstorming ideas for new products and features.
- Participated in new hire interviews.
- Trained new hires. Trained existing employees for their career growth.
- Provided IT support to the employees.

Environment and Technologies: IntelliJ, MyEclipse, Spring Tool Suite, Java 7, Java 8, JDBC, Spring, Hibernate, jQuery, SOAP and REST web services, Tomcat, WebSphere, IIS, Apache web server, ActiveMQ, **AWS**, SVN, **GIT**, **Maven**, **Jenkins**, **Travis-CI**, JIRA, Windows, **Linux**, **SSH**, Linux Shell Scripting, MS-DOS batch scripting, XML, JSON.

Apple Inc, Cupertino, CA

Consultant Senior Software Engineer (through KForce Inc)

Apr 2012 – Sep 2012

Worked on Email, SMS production and delivery system that supports event-triggered messages. Various internal systems publish XML information to OMS and GMS systems which processes the information, apply email and SMS templates using XSL and Velocity transformations as necessary and deliver the content with the highest level of inbox placement. The received XML information, the delivered email and SMS are securely stored for auditing purposes.

Responsibilities:

- Worked on backend application consuming messages from a queue, process the messages using velocity templates and send notifications emails to customers.
- Added SMS notification capability to the application using Open Market API.

Environment: Eclipse, Java, JDBC, Tomcat, Linux, Mac OS X, Velocity Templates, XSLT Templates, HTML, JavaScript, CSS.

Arizona State University, Tempe, AZ

Computer Support Personnel at Mary Lou Fulton College of Education

Jan 2007 – Apr 2008

Responsibilities:

- Maintained hardware and software in the computer lab.
 - Troubleshooted software, hardware, and networking problems on-site and over the phone.
 - Collaborated with system analysts on various technical issues, resolved issues and documented the solutions.
 - Trained new hires on the job.
 - Helped faculty members understand new software tools and answer their queries.
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