# GYANENDRA

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Focus:Core Java **•** Big DATA •VirtualizationProvisioning Orchestration **•** QA & Continuous Integration & Deployment **•** MySQL NoSQL

A versatile engineer with over 12 plus years of experience. Strong Full stack Java Development, Script Development, Production Support and Release Management background. Strong development skills in Java, MySQL, Virtualization, jQuery and Python.

## EDUCATION

**Masters (Computer Science),** *Northeastern* *University USA (Graduated 1996)*

**Bachelor of Engineering (Computer Systems),** *University of Cardiff,* UK *1992*

## KEY CREDENTIALS

### Java Development

### Java Architect

* SOA, SOAP and REST
* Quality Center 100% Automation
* AWS – Various modules
* Angular React HTML5
* CI/CD GitHub maven

### Quality Engineering

* Unit and Functional Testing.
* Full regression testing.
* Virtualization Experience.
* Performance and Benchmark testing.
* Distributed Systems API Testing.

## SKILL SET

**Technical**

Languages: Java 8, Python 3, Perl 5, React, C, C++, SQL, Scheme, Tcl / Tk, Visual C++, Korn Shell, XML,

 JSON, Spring Boot 2.5, EJB, Node.js, Scala, Angular 4/5/6/8, JavaScript, JQuery and XSLT.

Tools: VtoolsD, SoftIce, Docker, MFC, DirectX, COM, DCE, Perforce, STAF, Jenkins, Maven, Hibernate,

 BitBucket, SonarCube, GitHub and SCCS.

Protocols: MPLS, H.323, SIP, TCP/IP, RSVP, L2TP, CR-LDP, RADIUS, DHCP, SSL, UDP, IPSec and HTTP.

Platforms: Apple, Windows, UNIX, SOLARIS, Windows NT, Linux, VxWorks and Ultrix.

Systems: Linux and other Personal Firewells, Hadoop, MapReduce, Virtualization, Cloud based Systems, VoIP and Videoconferencing, Sonus SBC, GenBand SBC, Wireless and Satellite, Apache Spark, Apache and JBoss.

Databases: Oracle10g, MySQL, Hibernate, JDBC, and Access.

Data Science : R, Plotting functions, Correlations, Regression’s.

Machine Learning: Data Distribution, Regression and Decision trees.

AI : Lambda Calculus, Computational Engines, Parallel Computing

Cloud Computing: AWS, CloudWatch, DynamoDB, S3, EC2, Lambda, API gateway,

 Microsoft Azure, Compute and Execute, Google Cloud.

## EMPLOYMENT HISTORY

**Alltripok, District of Columbia, USA**  **5/2019-08/2024**

**Java Architect / Sr software Engineer**

Created entire HTML5, Angular 8, CSS for screen flow for application. Implemented spring boot 2.5 microservices to process the message into Kafka cluster setup. Kafka cluster setup in QA and Production environment.

* Worked with Restful Microservices and SOAP API’S. Strong background in AWS Code Build, AWS Code Deploy and AWS Code Pipeline.
* Used Angular 8 to structure JavaScript code in an MVC model (Model-View-Controller) to build a SPAs.
* Integrated transaction API for eCommerce system. Took care of making payments refunds etc.
* Developed business intelligence Microservices with Spring Boot 2.5, JPA, Eureka, Lambda, H2, JPA and Web container. Worked with Terraform for provisioning and deployment.
* Used React, JavaScript for UI prototyping. Multiple AI featured application in Python, Java and GoLang.
* Use of Python programming language to develop network scripts and applications for interaction of network devices.
* Implemented Spring MVC RESTful services and consumed via HTTP services from Angular 8.
* Used Kafka for distributed logging. Use Git for source code control. Used Jenkins for CI/CD pipeline. Used Docker for containerization. Deploy, Configure and Maintain Compute on Azure Cloud. Troubleshooted Azure related issues and engaged internal teams for issue resolution.
* Worked on Release management of Allhops/Alltripok.com.
* Managed the various API/SOA based testing release cycles. Kotlin prototyping for Android and IOS platform. Testing for Android apk.

**eBay, Santa Clara, USA 2/2019-5/2019**

**Senior Software Consultant**

* Maintained employee onboarding application PeopleX for eBay IT team.
* Did help resolve all the infrastructure, configuration and latest change issues related to the onboarding application. Use Git for source code control. Used Jenkins for CI/CD pipeline. Used Docker for containerization.
* Configuration of network firewalls to meet company security policies.
* Involved in creating TypeScript reusable components and services to consume REST API's using Component based architecture provided by Angular 6.0.
* Also help resolve any deployment issue via talking to various distributed teams. Remote Configuration, strong troubleshooting and maintenance experience.
* Development of a router and switch application that automates and pushes configuration templates to devices with the use of Python code and Django. Also used Terraform for configuration and deployment of servers.
* Experience with cloud based IT infrastructure. Strong Java development, Spring Boot, Oracle, HTML5, Angular and React. Created entire HTML5 screen flow for application.
* Used Spring 2.5 Framework for DI/IOC and ORM components to support the Hibernate tool.

**Allhops, San Jose, USA 2/2017–12/2018**

 **Software Architect,**

* Developed full stack of allhops.com. Worked with Restful Microservices and SOAP API’S. Strong background in AWS Code Build, AWS Code Deploy and AWS Code Pipeline.
* Developed and fully tested SOAP/REST based ticketing drivers. Handled Validation, Error Checking, and Timeouts, MySQL interaction. Integrated with web-based portal. Wrote simple scripts for testing and release management.
* Strong Java development, Spring Boot, Oracle, HTML5, Angular and React. Created entire HTML5 screen flow for application.
* Developed scripts for import of data from raw files to database. Did data validation error checking while importing.
* Developed a base framework using spring framework APIs 2.5 concepts such as IOC, AOP, DAO, ORM, JDBC, Mail, Quartz and JTA.
* Worked on Angular 4 by consuming RESTful web services & Used Angular 4 forms like Template Driven forms and Modern Driven forms to perform form validations both on server and client side.
* Used Angular 4 component to render the users to different pages using Routing.
* Use of Python programming to script network design processes
* Use of Python and Ansible to generate network config templates
* Developed and tested MySQL schema design and business logic. Tweaking DB and scripts for PSS/DSS compliance.
* Strong knowledge of Data Structures, Multi-Threading, code optimization and writing server side code. UI development with HTML 5, React, Angular.js and jQuery. Also used React for some prototyping. NodeJS for utilities.
* Managed AWS API Gateway, Code Build, Code Deploy and CloudWatch. Use Git for source code control. Used Jenkins for CI/CD pipeline. Used Docker for containerization.
* Strong background in functional programming in Scala. Also experience with Apache Spark.

**Apple, Sunnyvale, USA 2/2016–2/2017**

**Software Consultant,**

* Requirement Analysis, script development and posting result on confluence.
* Used and wrote Java based script for Faban framework. This was used for benchmark and performance testing. Use Jmeter for performance testing.
* Participated in Verizon, Sprint and AT&T carrier testing. Wrote scripts for benchmarkingcarrier’s servers.
* Developed tools for automated diagnostics, logging and benchmarking distributed systems. AWS Cloud based code maintenance and enhancement.
* Used Kafka for distributed logging.
* Use of Python programming to script network design processes
* Use of Python and Ansible to generate network config templates
* At Apple online store retail version has high throughput. Worked on AOS to improve its performance. Use Git for source code control. Used Jenkins for CI/CD pipeline. Used Docker for containerization.
* Telecom cluster is about 1500 TPS. Apple online store in peak time about 1000 TPS.

**Verizon, San Jose, USA 3/2015–10/2015**

**Software Consultant,**

* Worked on testing of set-top boxes. Set-top box had scheduling data via web-services from AWS cloud based instances. All performance testing scripts in Python.
* Worked on inducing traffic delay, randomness in network and testing the behavior of Verizon Go app. Use Git for source code control. Used Jenkins for CI/CD pipeline. Used Docker for containerization.
* Setup of Python based SOAK and Performance testing of set-top boxes.

**Cisco, San Jose, USA 4/2014–11/2014**

**Software Consultant,**

* Worked with Network profiling product named Cisco ISE. Helped in fixing profiling related bugs. Did Core Java development. Use Git for source code control. Used Jenkins for CI/CD pipeline. Used Docker for containerization.
* Did Profiler, Postman and Curl based Rest API testing. Used Maven, Jenkins, and Fusion for continuous integration.
* Strong Java development, Spring Boot, Oracle, HTML5, Angular and React. Created entire HTML5 screen flow for application.
* Tested cloud base stage machines. Used web-based continuous integration tools for managing the stage machines.
* Worked with Big Data. Worked on data integration and predictive analysis. Worked on Hive, Pig and Hadoop cluster.

**HP, Sunnyvale, USA 11/2011-12/2013**

 **Software Engineer,**

* Designed, developed and Tested SuSE Linux patch and service pack deployment HP NGUI product. Java API based integration with existing product. Extensively worked with Java, Python, networking libraries and xml parsers. Use Git for source code control. Used Jenkins for CI/CD pipeline. Used Docker for containerization.
* Tested performance improvement of Patch Download and Upload process.
* Worked with builds and distribution team for builds and distribution integration issues.
* Researched Zypper open source tool for remediation of rpm’s.
* Frequently had code review done and also participated in code reviews. Delivered code on schedule. Contributed to documentation efforts.
* Maintained accounts with Novell rpm repository.
* Fully unit tested demoed the feature in scrum demo used Adobe captivate for archiving the demos.
* Worked with Server Virtualization and Cloud Infrastructure VmWare ESX and VSphere. Creation of platform instances with templates.

**Apps and Web Site List**

**Verizon Go (Video on Demand Streaming App)**

 **Web-Site**

* [**https://www.apple.com/**](https://www.apple.com/) **(Apple Online Store)**
* [**https://www.stubhub.com/**](https://www.stubhub.com/) **(Stubhub Ticketing Giant)**
* [**https://myvoice.earthlink.net/euv/login.jsp?redirect=%2Feuv%2Findex.jsp&x=-1600826100**](https://myvoice.earthlink.net/euv/login.jsp?redirect=%2Feuv%2Findex.jsp&x=-1600826100) **(Customer Side Voice Portal, Real-time Billing)**

## OTHER EMPLOYMENT SYNOPSIS

**Software Consultant,** *Cisco*, San Jose, USA 6/2011–11/2011

**Software Consultant,** *Google,* Mountain View, USA 1/2011–5/2011

**Software Consultant,** *Globallogic*, San Jose, USA 04/2009–11/2010

**Software Consultant,** *eBay,* San Francisco, USA 5/2008–12/2008

**Software QE Engineer,** *EarthLink,* San Jose, USA 1/2005–8/2007

**Software Engineer,** Concentrix Network, San Jose, USA3/1998-9/2004

**Software Engineer,** PictureTel, San Jose, USA 2/1996-2/1998