

Dinesh Punjabi

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Sr. Full Stack Developer/Architect

- ◆ Senior “Full Stack” Developer with architecture, design and hands-on implementation expertise in programming languages including Java, Python, Spring, JEE, JavaScript, Angular, ReactJS. Backend experience with SQL/NoSQL databases including Oracle, PostgreSQL, MySQL, MongoDB, Redis, Elastic.
- ◆ Strong communication, analytical, leadership and problem-solving ability. Able to build flexible solutions aimed at maintainability, reducing costs and producing quality results.
- ◆ Diverse experience spans Telecom (Cable, Telephony, DSL, and Satellite), Financial, Check & Check Fraud, Credit Card processing, Mortgage services, GIS, Medical/Healthcare and internet-based industries.
- ◆ Skilled in data engineering, systems integration, understanding IT objectives and the ‘big picture’, as well as motivating others.

TECHNICAL SKILLS

Java 8/17, Spring, Spring-Boot, JPA
Python
Angular, AngularJS, ReactJS, NodeJS
Oracle, MySQL, PostgreSQL, SQL
Server
MongoDB, Redis, Elastic, Guava
Docker, Gitlab, Git, Stash, CVS,
Subversion, Apache NiFi

AWS, Cloud Foundry
Agile, Scrum, Jira, Rally,
Confluence, Splunk
Play Framework, Akka
WebLogic, JBoss, Tomcat
Windows/Linux, OpenStack
GitHub, Jenkins, TeamCity
Grunt, Gulp, Webpack

IntelliJ, Eclipse, Visual Studio
REST, SOAP
Jasper Reports
JMS, RabbitMQ, ActiveMQ
Prolog, LISP
Hibernate
Familiar with Scala, iOS, XCode
Familiar with Objective-C Android

PROFESSIONAL EXPERIENCE

Charter Communications

05/20 – present

Job Title: Sr. Software Engineer / Architect

- ◆ Worked on ongoing agile based development, design, implementation and enhancements of AUTHID: Charter’s National video streaming "User Authentication and ID/Account management" project, consisting of microservices in an AWS cluster. Duties also included ongoing support, such as onboarding assistance, liaison with multiple AUTHID API consumer projects (such as PINXT gateway, Self-service Platform, ID Management, Video streaming), relating to API client integration, reporting, production debugging and troubleshooting.
- ◆ Technologies included AWS, IntelliJ, Java, Python, Google Guice, Spring Boot, Contract-First API architecture using Swagger/OpenAPI, Kubernetes, AWS Kinesis (Kafka) streaming with back-end MongoDB, Redis, Guava application caching technologies.
- ◆ Tasks included enhancing AUTHID’s AWS Kinesis real-time async analytics data producer streaming platform. Also generated periodic whitelist account data dumps using Python in S3 buckets. Performed subsequent brown-bag presentations.
- ◆ Worked with Python scripts to (a) load sizeable IP address operational data into MongoDB for large scale academic customers, (b) migrate MongoDB object schema transformations, (c) create React UI specific configuration data.
- ◆ Also involved with maintaining a React UI Web app, additional microservices with a MongoDB backend, to manage real-time operational data.
- ◆ Architected project migration of existing microservices, supporting libraries from legacy Java 8 to Java 17 OpenAPI, Spring Boot. It involved an initial proof-of-concept implementation, with subsequent knowledge sharing team presentation.
- ◆ Misc. duties include consumer support, troubleshooting in lower and prod environments querying Splunk logs.

As a side project, working on building a small operational Istio/Kubernetes Ubuntu Linux based service mesh cluster.

Comcast

06/17 – 04/20

Job Title: Sr. Full Stack Software Developer / Architect

- ◆ Working on Address Management, Location Services ESL project. Using Spring Boot, Spring Cloud, Kafka, and Spring microservice-based architecture. Spring Cloud Netflix – Eureka service registration, discovery with Zuul Routing in Cloud Foundry cloud environment.
- ◆ Member of Comcast’s Architecture, Software team to promote software, design patterns and architecture reusability.
- ◆ Using Angular 7, Web Components, and RxJS observable for re-engineering existing UI with Elastic Search, Oracle backend. Also used RxJava, Observables patterns for parallelizing REST service requests. Implemented Apache NiFi data flow automation between systems supporting Hadoop, Oracle, Kafka topics, and REST services platforms.
- ◆ Also worked as a Full Stack Developer on ECAF Capacity Management project. Goal was to architect, develop reporting tools across various divisions for high-speed CMTS capacity forecasting and node-split, augment planning.
- ◆ Technology stack consists of developing UI using AngularJS, constructing Java/Spring based REST-API under Tomcat on Linux, with PostgreSQL backend.
- ◆ Development tools include Git, Jenkins, Gradle, GoCD, NodeJS, Angular, AngularJS, Npm, and Grunt using IntelliJ.

McKesson, Change Health

10/16 – 06/17

Job Title: Sr. Full Stack Software Developer

- ◆ Working as a Full Stack Senior Developer developing and enhancing their healthcare applications in Agile/Kanban environment hosted in Atlassian Jira.
- ◆ Company provides healthcare Medical Review content solutions to health insurance payers, medical clinics and medical care providers.
- ◆ Technology stack includes AngularJS, consuming Java/Spring based REST middle tier under Tomcat on Linux, with an Oracle back-end.
- ◆ Development tools include svn, TeamCity, NodeJS, Npm, and Grunt using IntelliJ IDE.
- ◆ Testing framework includes Karma, Mocha, and Jasmine. Also using Junit, Mockito unit-test framework.

IHS

09/15 – 07/16

Job Title: Sr. Front-End Software Consultant

- ◆ Working as a Front-End Senior Developer developing their new generation customer facing applications in a Scrum, Kanban environment using Rally Agile framework. Used Planning Poker consensus-based agile estimation techniques.
- ◆ Company provides information, insights, and analytics to multinational companies, governments, small companies, and technical professionals in various industries worldwide.
- ◆ Technology stack - AngularJS, Java, REST, Tomcat on Linux, Oracle. AngularJS based Grid and Tree implementations (ui-grid, treeBase, treeView).
- ◆ Development tools include GIT, Jenkins, NodeJS, Npm, Gulp, and Webpack on IntelliJ/WebStorm IDE.
- ◆ Twitter Analytics side learning project prototype for publicly available twitter feeds using Cloudera’s CDH Hadoop platform using Cassandra, Kafka durable messaging, Spark engine and Apache Drill with Scala, and Java with AngularJS dashboard.

Comcast Cable

02/13 – 09/15

Job Title: Sr. Full Stack Software Developer/Architect

- ◆ Architected and developed Headend Management System (HMS) platform used by cable operators (MSOs) as a device management and pay-per-view data collection tool from cable set top boxes. Middle-tier, UI development - Java/AngularJS/REST, Play Framework, Kanban/Agile environment. Ebean ORM persistence, NodeJS, PostgreSQL, JNI, and GIT using CentOS 6.5 Linux.
- ◆ HITS self-service portal for MSOs, cable operators for centralized, multiplatform content distribution solution. Java, J2EE, Play Framework MVC, Scala front end UI templates, DHTMLX JavaScript library, Oracle, PL/SQL. Rally Agile project management tools in a scrum environment.
- ◆ Other tools - RabbitMQ, Akka, Eclipse, SVN, Oracle SQL Developer, and TIBCO BusinessWorks.
- ◆ Architected, designed and implemented Jenkins build environment in OpenStack Linux/VM environment.

TW Telecom

11/12 – 02/13

Job Title: Sr. Software Engineer / Architect

- ◆ Design, Development, Re-engineered enterprise-wide network metrics and profiling applications using JEE/JBoss. Re-architected network metrics and notification systems into JEE.

Java EE6, EJB 3.1, SOAP/REST (RestEasy), JAXB, ActiveMQ, JMS, Eclipse, JBoss 6, and BlazeDS.
Atlassian Greenhopper/Kanban agile tools. Dev tools including Eclipse Indigo, Maven, Subversion, Jira, Confluence wiki.

ECSTeam

10/10 – 08/12

Job Title: Sr. Full Stack Developer

ViaSat (formerly WILDBLUE Communications, Inc.)

Focused on software development, maintenance and enhancement of their satellite internet business support systems.

- ◆ Business processes including billing, transaction services, network management, and engineering and satellite services.
- ◆ Java SOAP services, JAX-WS, Spring JDBC, WebLogic 11g platform, and Oracle 11g using SQL Developer.
Also worked on Java Portal frontend, JSF based Java Ice Faces, Glassfish server platform with xhtml pages, using Ajax.
Technologies include SVN, CVS, Eclipse Indigo, in a Maven build environment.

COMCAST Cable

- ◆ Internal J2EE location services tools, for Cable and Internet provisioning, for US based address locations.
- ◆ Software development, design and implementation in WebLogic/Oracle 10/11, Java6, JMS, SOAP, Eclipse Indigo Apache, Spring persistence framework, Oracle 11g. PL/SQL developer tools, SQL queries, stored procedures. Struts2 MVC front-end architecture, JSP, AJAX, CSS, and JavaScript & JSON technologies.
Also developed an email notification system using JMS, JavaMail, Spring Quartz scheduler and Velocity templates.

COPIC, Inc.

- ◆ Short-term effort to migrate existing medical insurance applications from J2EE Java 5 and older applications to current JEE Java6 WebLogic 10, Oracle 10g. Retooled UI, middle tier and DAO components, including EJBs.

MISC:

- ◆ Worked on food allergy logging side project - Apple iOS, XCode, Mac OS platform, Objective-C.
- ◆ Medical REST service application using “Spring Data, MongoDB” backend. Also researched other NoSQL databases including Cassandra (with Hadoop), and VMware’s GemFire “in memory data management”. Goal was to port this application into various Big Data databases using Spring Data Access layer to an html5 standalone web application as well as a mobile, Motorola Xoom JB 4.1, html5 based, Android platform

Rackspace

10/10 – 11/10

Job Title: Sr. Developer

- ◆ Credit Memo Application design, development, integration with SOAP, JAX-RS (Jersey) REST services using JAXB, on Life Ray Portal, Portlets, and Tomcat, and Java. Project involved interacting with service teams to understand the business application and their published WSDL (SOAP), WADL (REST) client server interaction and XSD schemas. REST wrappers API to encapsulated REST service calls. Built JUnit test cases for REST API and business functionality validation. Enhanced Logging, Exception Handling, following coding standards with PMD, Checkstyle Eclipse plugins.
- ◆ Reorganized project structure, components, and jars; defined and developed project-wide dependencies, build processes, using Maven build tool, coupled to a subversion repository.

Intuit (formerly Echo, Inc.) – a Fortune 100, Financial products company

11/03 – 09/10

Job Title: Sr. Java Engineer / Architect

- ◆ Participated on a Billing System project using Java/JEE, Oracle 10g, 11g.
Annotations based development using EJB3, JPA Java Persistence API, on JBoss 4, Hibernate persistence mgmt. Architected, designed and developed Merchant Reporting System using Java JMS, and Java JASPER Reports. Project source code maintained in Maven builds, and Subversion version control system.
Billing System generated credit card transaction fees for ACH from Merchant bank accounts.
Billing & Reporting Systems periodically generated Auto Deduction Notice invoices, Merchant Activity, Sales and Monthly Billing Summary reports for accounting department.
Also worked on Java JSF, Richfaces and Seam for customer support for Merchant boarding, maintenance tasks.
Used Fortify SCA for static source code analysis to improve code quality in the areas of security, and maintainability.
- ◆ Architected, Re-engineered and developed check fraud system in J2EE using ORACLE 10g. NCIS had numerous POS (Point of Sale) terminals linked into a check verification system consisting of JAVA, J2EE middleware that used business rules in a clustered, ORACLE 10g environment. Project deployed on WEBLOGIC 8.1 (SP3), clustered Intel Itanium Linux AS environment. Project used EJB, JCA, and JSP. Environment also consisted of Apache Tomcat, Apache ActiveMQ 4 and MSMQ to write check data to Oracle TDE 10g backend. Check processing used Merchant and Ruleset (business logic) XML schemas within Oracle. J2EE components interact with business data using XML Check Transaction Records (CTR).
- ◆ Developed components using WebLogic, ECLIPSE 3.2 Java IDE environment. Web applications used STRUTS 1.1. Worked on developing, prototyping a web services-oriented tool using SOAP on WebLogic as a simulation and sales tool. Used SQL Developer to write, enhance SQL queries and PL/SQL stored procedures.
- ◆ Worked on prototyping a new ECHO Framework using SPRING, EJB 3.0 and HIBERNATE technologies with JBOSS, TOMCAT. Created Class, Sequence Diagrams using Enterprise Architect – a UML based OOAD tool.
- ◆ On the side, ran a BSD forums site, comprising of Vbulletin BBS, MySQL and php technologies.

Fuser.com (Confluence Commons)

4/06 – 8/07

Job Title: Sr. Java Consultant

- ◆ Part-time work on data aggregation applet to enable integration of multiple mail and social web sites into a common presentation layer. Agile scrum environment included creation, review of stories, engineering tasks. Design, development and testing of features, and bug-fixes relating to Yahoo Mail, Hotmail, Facebook and Myspace. Tech stack consisted of Java, Ant, and JBuilder/Eclipse technologies.

Healthetech, a personal well-being, Healthcare company

08/02 – 11/03

Job Title: Sr. Java Developer

- ◆ Worked on BalanceLog Web – a J2EE web-based weight, goal logging and management system used for entering foods, exercises and body tracking information.
- ◆ Developed, deployed JSPs, EJBs, Oracle WebLogic 7. MVC framework architecture using jsp, Struts. JBuilder 9 IDE, Oracle 9i with Visual SourceSafe, StarTeam, CVS technologies.

CinemaLatino

12/01 – 07/02

Job Title: Sr. Java Developer

- ◆ Duties included design, development and implementation of their movie show times system, using J2EE, JSP, Servlets, JDBC and XML. Setup and used TOMCAT servlet engine with a MySQL backend.
- ◆ Developed the system on Windows 2000 using JBUILDER 5, and deployed the systems on a UNIX platform.

FrogMagic

11/00 – 11/01

Job Title: Sr. Java Consultant

- ◆ Architected, developed eGifts - a web-based application that let users send gifts to others via email. Used SILVERSTREAM J2EE Application Server, deployed dynamic HTML pages, JAVA Objects, JSP, XML, SERVLETS with ORACLE8i. Deployed on SUN SOLARIS and WINDOWS 2000 machines.
- ◆ Designed, developed, enhanced and fixed bugs using Java based SilverDesigner framework. Also worked with Tomcat - Servlets, JSP using JDBC with Sybase 11 using JBuilder 5.
- ◆ Designed, developed schemas, and coded stored procedures. Also worked on a promo application that generated online coupon codes.

EDUCATION**MS, Telecommunications (in progress)**

University of Colorado

Boulder, CO

MS, Computer Science

University of Denver

Denver, CO

Bachelor, Electrical Engineering (honors)

University of Bombay

Bombay, India

Major: Computer Science & Integrated Circuits