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**SUMMARY:**

* 13+ years of experience in hands-on development of enterprise applications using Java and cognate technologies.
* Developed highly scalable micro-service architectures on multiple cloud platforms.
* Built highly performant applications using streaming data backbone and reactive frameworks – scaled applications from 2000 tps to 12000 tps/node.
* Audited system metrics and built logging to monitor applications for high availability.
* Delivered high pressure projects/MVPs with tight deadlines on-time to stake-holders consistently with a focus on customer satisfaction.
* Incorporated Behavior Driven Development (BDD) methodologies into projects to deliver high quality code that facilitates continuous refactoring.
* Co-ordinated with Ops/Front-end/Business teams for smooth hand-offs and shipping new application features.
* Proficient at understanding and using design patterns.
* Developed applications using NoSQL Distributed Databases like Cassandra and Scylla at scale.

**WORK EXPERIENCE:**

* Worked at ***Softech International Resources Inc (Client: Starbucks, Nordstrom, T-Mobile, FedEx, Role: Micro-Services Developer/Architect),*** as Senior Programmer Analyst (March 2016 – Current)
* Worked at ***CA Technologies***, as Senior Software Engineer (June 2015 – Feb 2016).
* Worked at ***Wave Crest Holdings Limited***, as Senior Software Engineer (Dec 2013 – June 2015).
* Worked at ***Pegasystems Inc.***, as Senior Software Engineer on PRPC (6.2) (June 2012 – Sept 2013).
* Worked at ***Kony Labs***, as Senior Software Engineer on Kony Platform. (August 2011 – May 2012).
* Worked at ***Dell***, as Core Java/J2EE Developer. (June 2007 – Feb 2011).

**EDUCATION**:

B.E (Computer Science) from Chaitanya Bharathi Institute of Technology, affiliated to Osmania University, Hyderabad, India.

**HIGHLIGHTS AND ACHIEVEMENTS INCLUDE:**

* Data streaming using reactive applications in Kotlin/Micronaut for Starbucks.
* Contribution to T-Mobile’s opensource effort - <https://github.com/tmobile/pacbot>
* Built ecosystem and developed highly performant key microservices from scratch in the Payment Modernization Project at Nordstrom which handles a revenue of $15 Billion/year.
* Developed Fedex’s next generation Last-mile delivery solution – cloud adoption pilot project.
* Developed Pivotal Cloud Foundry reference applications using Netflix OSS.
* Tweaked Dell’s GFX’s caching mechanism to save ~70minutes/Developer/Day in a team of 11.

**PROJECTS:**

* **Starbucks**
* **Project: Platform Team - Retail Engineering**

The Retail Engineering team handles data streams interfacing with multitude of systems within Starbucks. The applications are built using Domain driven design ideology and reactive frameworks

**Responsibilities:**

* + Ensure artifacts built using Micronaut/Kotlin framework are horizontally scalable and resilient.
  + Build applications that interface with Kafka and variety of databases – SQL/NOSQL
  + Mentor engineers
* **T-Mobile**
* **Project: PacBot**

Policy as Code Bot (PacBot) is a platform for continuous compliance monitoring, compliance reporting and security automation for the cloud. [**https://github.com/tmobile/pacbot**](https://github.com/tmobile/pacbot)

**Responsibilities:**

* + Ensure artifacts built using Spring boot are horizontally scalable and resilient.
  + Own/develop TSlack, TAuditor.
  + Write Rules in PacBot for AWS services.
  + Mentor and help developers on the team by addressing technology concerns that are blocking the team.

**Skills:**

Spring Boot/REST/MVC, Elastic Search, AWS/Kinesis, Test Driven Development, Git

* **Project: Identity and Fraud Management Platform**

IDFM project focuses on using information from customer hub to validate correctness of user data using an adapter pattern and contacting multiple systems.

**Responsibilities:**

* + Develop code artifacts using Spring-Cloud components and Netflix OSS
  + Ensure artifacts built using Spring boot are horizontally scalable and resilient.
  + Ensure the business logic is well tested using BDD approach
  + Develop components consuming data from Deep.IO, which enables processing data as stream with multiple consumers
  + Mentor and help developers on the team by addressing technology concerns that are blocking the team.

**Skills:**

Spring Boot/REST/MVC, Test Driven Development, Git, Apache Kafka, Pivotal Cloud Foundry, Jenkins, Netflix OSS - Ribbon, Hystrix, Eureka

* **Nordstrom**
* **Project: Payments Modernization**

Payments modernization project focuses on converting existing payments infrastructure into a unified, modernized, cloud-based payments platform for Nordstrom.

**Responsibilities:**

* Design and maintain the model for the payments modernization effort.
* Work with Principal Developer/Devops teams to setup and maintain Spring-Cloud and Netflix oss components across environments.
* Work with technology and business teams to deliver code artifacts.
* Ensure artifacts built using Spring boot are horizontally scalable and resilient.
* Mentor and help developers on the team by addressing technology concerns that are blocking the team.
* POCs for integrating with Vantiv for their RAFT610 payments gateway.
* Currency Exchange rate service

**Skills:**

Spring Boot/ Data/REST/MVC, Test Driven Development, Spring-Cloud-Stream, Apache-Kafka, Netflix – Hystrix, Kinesis, Kubernetes on AWS, Jenkins, Git, OrientDB/ArangoDB, Vantiv RAFT 610, Redis

* **FedEx**
* **Project: LastMile – Same Day City**

LastMile project for FedEx provides capability to notify package tracking information via Email/Push/SMS channels. The FedEx Android and IOS applications enable live shipment tracking in Map view with In-Your-Area/Next-Stop notifications.

**Responsibilities:**

* + Design and develop components on Pivotal Cloud Foundry platform from scratch using a BDD/TDD approach.
  + Lead micro services team on-shore as well as off-shore to deliver code artifacts.
  + Groom requirements with product-owner/business analysts.
  + Work with the Technical Architect to understand and implement the design.
  + Mentor engineers
  + Ensure good design and coding standards are maintained through code reviews and design discussions.

**Skills:**

Highly Scalable Java/Web Services, Pivotal Cloud Foundry/BOSH/OpenStack/XenServer, Spring AMQP/Ribbon Client/Netflix API/WebHook/Eureka/Service Discovery/Sleuth/Hystrix/Conductor, Redis/RabbitMQ on Cloud Foundry, Spring-Boot/Data/ REST, Gradle/Maven, Git/Git-flow, SCRUM, Test Driven Development, Concourse - Continuous Integration, MongoDB

* **CA Technologies**
* **Project: CA IdentityManagerServer - CA IDM**

As users enter or leave your organization, or when customers and business partners need to interact with your IT systems, CA Identity Manager ensures they have the appropriate levels of access granted to, or removed from, all the right systems in a timely manner.

**Responsibilities:**

* Design and develop components that integrate into the IM Server.
* Work and deliver in an Agile environment following SCRUM methodology for SDLC.
* Work with customers and support teams to fix issues on priority.
* Mentor engineers
* Ensure good design and coding standards are maintained through code reviews and design discussions.

**Skills:**

Java/ Webservices, Spring Boot/ Data/REST/MVC, AspectJ, JBoss, Hibernate/JPA, Gradle/Maven, Git, Scrum, Redis/ehCache, Apache Shiro, MySQL/MemSQL/Flyway DB, Test Driven Development

* **Wave Crest Holdings Limited**

Wave Crest Group Limited is an enterprise platform technology company that provides next generation payment solutions and services to large global corporations across the world.

* **Project: DECISION ENGINE**

Decision engine is the core component of the decision and rule engine. Delivers dynamic enrichment of data and integrates with multiple 3rd party systems to arrive at decisions. It’s used across the services stack for its capabilities.

**Responsibilities:**

* Design and develop components that integrate into the decision engine.
* Develop new rules for the evolving platform and upcoming programs.
* Mentor engineers
* Ensure good design and coding standards are maintained through code reviews and design discussions.

**Skills:**

Java/Web services, AngularJS, Node.js, Spring-Boot/Data/ REST/ MVC, Hibernate/JPA, Gradle/Maven, Git/Git-flow, SCRUM, Test Driven Development, Spock testing Framework, MySQL/Flyway DB, Vagrant VM

* **Pegasystems Inc**

Pegasystems's Build for Change(R) technology is used by many organizations in financial services, insurance, healthcare, communications & media, public sector, and life sciences.

* **Project: PMF - PRPC Integration**

PMF-Integration team develops features to allow tight integration between the PMF and PRPC.

**Responsibilities:**

* Implement connectors and provide APIs for services to access/update DCO items in PRPC.
* Designed Class structures and Data model for implementing PMF integration features.
* Implementing independent and reusable components - Export to Excel feature for Grids.
* Debugged Extensively in PRPC using TRACER, Clipboard, and Rules Inspector.
* Develop Landing pages for the upcoming product release.

**Skills:**

PRPC, PQD, Clipboard-Tracer debugging, SoapUI, PRPC Connectors and Services, Agents, PMF, Eclipse SQL Explorer, Scrum Methodology

* **Kony Labs**

Customer centric enterprises that need mobile presence and commerce turn to Kony mobile applications platform with **Write Once, Run Everywhere** technology. Delivering on the vision of one mobile platform, many mobile applications, on all types of mobile devices and channels, the Kony Mobile Application Platform uses a single-code base to develop mobile applications that run faster, better and with lower total cost of ownership.

* **Project: Vertical Applications – Banking (Regions Bank) (December 2011- May 2012)**

Vertical Apps Banking is an easily configurable Mobile project for the banking domain. The Regions bank project involves making the project easily pluggable to the regions bank services.

**Responsibilities:**

* Developed device level pagination for Mobile and Tablet Platforms.
* Owned ATM Locator, Sign-in, Accounts for Tablets during the initial development phases.
* Combined the Lua-JSON connector with Mockey to bring down the development time dramatically.
* UI level design and development using widgets of kony platform.

**Skills:**

Kony Platform, Lua, JSON, Mockey, Core Java, Ant

* **Project: Alerts Module (JP Morgan Chase for BlackBerry) (August 2011-Dec 2011)**

Alerts module deals with managing alert subscriptions for a JP Morgan Chase user.

**Responsibilities:**

* Building Alerts Module from scratch.
* Analyzing the BRD and building the JPMC App for Blackberry.
* Creating test harnesses for webservices using JSONs in Mockey.
* UI level design and development using widgets of kony platform.

**Skills:**

* Kony Platform, Lua, JSON, Mockey, JDE 4,5,6, Core Java, Ant
* **Dell, Inc**(NASDAQ: Dell)**:**

**Project: GFX - Global Fulfillment Exchange (Sept 2008-March 2011)**

GFX is a Software & Peripherals fulfillment application which executes Dell’s 3rd party orders (worth 16 Billion $). GFX takes care of orders right from routing to vendors, until the vendor ships the order to customer. It has 3 modules Purchase, Vendor Processing, Recon.

* **Fulfilment Module:**

Business users can see status of an order and can perform actions manually like shipping order, cancelling order.

**Responsibilities:**

* Making Tactical Enhancements for Business users.
* Working on request driven **MVC** web framework.
* Developed Technical Design Documents and Code

**Skills:**

JSF Framework, JSP, Message Driven Beans, IBM WebSphere MQs, Weblogic Server 8/10, Java BackBeans

* **Vendor Processing Module**

Vendors can log in from the Internet, access their orders and process those orders.

**Responsibilities:**

* Component-driven UI design development
* Web service for a downstream application
* Unit testing with JUnit

**Skills:**

Apache log4j, SOAP, JAX-RPC, JAXB, JAXP, XML/XSD, Junit

* **Recon Module**

The Finance team can view the invoice details and also can check if there is discrepancy in the invoice amount.

**Responsibilities:**

* SQL Queries with DDL and DML.
* Designing/Writing Scheduled Jobs.
* Java jobs to parse logs
* Message Queue Management

**Skills:**

Oracle 9i, 10g, 11g, SQL, Java services on LINUX(Fedora, Suse, Gentoo), ANT , HermesJMS

* **Backend Application**

Automates the Processing of XML processing for high volume orders to vendors.

**Responsibilities:**

* Developing MDBs for Processing High Volume Orders(~100,000 per day)
* Migrating Jobs to Linux Platform.
* Build and Deployment Scripts using ANT
* Performance monitoring and tuning.

**Skills:**

TPTP, JRMC, MDBs, Java Mail, JNDI, Weblogic Administration, CIFS/EXT2/NTFS integration

**Project: Clarity Product (June 2007 - September 2008)**

*Clarity* is IT Management and Governance software developed by *Computer Associates*. Clarity was used as the Project and Portfolio Management (PPM) tool for DELL-IT. All PPM related activities such as assigning Resources to Project, Project Finance, IT-Resource’s Hierarchy Management and Portfolio’s hierarchy management are managed in Clarity.

* **Department OBS module**

Dell underwent a restructuring of organization. The entire Organization’s Structure had to be changed. Department OBS job rebuilds the structure in Clarity.

**Responsibilities:**

* Designed and coded the Department OBS job.
* Involved designing a **recursive algorithm** to build the files which were fed using XOG.
* Working with testing team for test plans.

**Skills:**

Java, Webservices, XOG, JAXB, Clarity, Scheduled Oracle Jobs, Sql queries using DDL and DML.

**Additional Information:**

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| * Proficient in **Data structures, Algorithms and software design**. |
| * Keeps interest in industry trends, technology platforms and Open Source software. |
| * Fluent in English, Hindi and Telugu. |
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| * Github.com handle: pavankumarchaitanya |