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**SUMMARY:**

* 15+ 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.
* Delivered 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 High throughput Data Pipelines using Distributed Middleware – Apache Kafka.
* Developed applications using NoSQL Distributed Databases like Cassandra and Scylla at scale.

**WORK EXPERIENCE:**

* Working as Lead Software Development Engineer at **Compass** (September 2021 - Current).
* Worked at **Amazon,** asSoftware Development Engineer II (October 2020 – September 2021).
* Worked at ***Softech International Resources Inc (Clients: Starbucks, Nordstrom, T-Mobile, FedEx)*** as hands-on Architect (March 2016 – Sept 2020).
* 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:**

* Built and led a team of Engineers owning the Commissions Experience Engineering at Compass.
* Data streaming using reactive applications in Kotlin/Micronaut for Starbucks.
* Contribution to T-Mobile’s opensource effort - <https://github.com/tmobile/pacbot>
* 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.

**PROJECTS:**

* **Compass**
* **Project: CMX – Commissions Experience**

The transaction management platform team is a platform to manage everything from agent onboarding (a3g), Document Review Service (Skyslope alternative), to contract terms(salesforce), to commission processing (Deals Workflow Service), to payments (NetSuite). Historically, agents have to enter data into several places manually. I have worked on unifying data across multiple SOT to use DWS as a SOT.

The rest of the compass engineering org uses this platform as a microservice framework to build on top.

**Responsibilities:**

* + Built and led a team that made applications to aggregate real estate listings and related data for developing an industry-leading consumer experience in search (Deals Platform Querying) and selection of real estate transactions.
  + Drove the development of applications for internal transaction coordinators and commission specialists. The efforts brought transparency to how CSes and Agents interact.
  + Worked on Platform features that made it much easier for Agents to interact with CSes (Notes in Deals) by creating one platform for the agent's financial transaction data (Gross Commissionable Income and Commission Calculation).
  + Owned E2E Testing strategy and stabilized the platform via establishing processes. Coordinating with teams in China/India and the US to consistently deliver features and cascade the changes to Manual and Automation testing. Addressing issues in lower environments whenever teams are stuck or have any questions about the product/feature.
  + Owned Onboarding Users and Multiple Regions/Markets/Submarkets for Commissions and Business tracker as part of Platform Expansion, helping to increase overall coverage – Core Boulder for Compass in 2022.
  + Mentor engineers/teams.
  + Supported the day-to-day productivity of a real estate agent with web and mobile applications while also supporting the growth of the world's most scalable brokerage - through on-call and long-running reliability efforts.
* **Amazon**
* **Project: Alexa Orchestrator**

Alexa Orchestrator is the core engine that runs Alexa - orchestrating the requests and interfacing with various dependent systems.

**Responsibilities:**

* + Working on confidential greenfield projects in Alexa that span building a platform for next generation customer facing services.
  + Involve in Project Scoping/Technical Proposals/Design/Development of projects.
  + Build and maintain high complexity platform deployed on Native AWS stack.
  + Mentor engineers/teams.
* **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

**Previous Projects:**

<https://github.com/pavankumarchaitanya/Resume/blob/master/Pavan_Kumar_Landa_CV.docx>