Pratapi Hemant Patel

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Professional Summary

- An experienced Java Developer with 4+ years of experience in implementation and design of large scale enterprise applications.
- Rest based web services development using Spring Boot and Jersey.
- Exposure to NoSQL databases such as Apache Cassandra and MongoDB.
- Expertise in developing fully responsive websites using Angular and Bootstrap.
- Strong proficiency in Data Structures and Algorithms.
- Experience in Multithreading and applying Design Patterns.
- Good code review, problem solving and debugging skills with a constant desire to explore and learn new technologies, including more efficient methods to any problems.

Technical Profile

- **Languages**: Core Java, TypeScript, C
- **Rest Frameworks**: Jersey, Spring Boot
- **UI Frameworks**: Angular 5+, Bootstrap
- **Databases**: Cassandra, MongoDB
- **Tools and Technologies**: Cloud Foundry, Apache Kafka, Spring Security, Git, Github, Maven
- **Protocols**: HTTP, REST, Web Socket, SMPP
- **Testing Tools**: TestNG, JUnit, JMockit, Mockito, JMeter, JVisualVM

Work Experience

Senior Java Developer	**Nov 2017 to Present**
Yatra Online, Gurgaon	
Senior Java Developer	**Nov 2016 to Oct 2017**
GlobalLogic, Noida	
Java Developer	**Oct 2014 to Oct 2016**
Aricent, Gurgaon	
Trainee	**Jan 2014 to Jun 2014**
Aricent, Gurgaon	

Educational Qualification

Master in Computer Application	**2011 to 2014**
Jawaharlal Nehru University, New Delhi	
Bachelor of Science (Mathematics)	**2008 to 2011**
Deendayal Upadhyay Gorakhpur University, Gorakhpur	

Projects

Project: Multi Mediation
Description: Multi Mediation is an end-to-end, convergent, multi-purpose platform that collects, formats and distributes accurate network data for all OSS/BSS-related mediation. It is able to handle the massive data loads generated by today's complex services and multi-vendor networks, letting you manage all services, payment methods and network access protocols through one single solution.

Responsibilities

- Developed SMPP collector and distributor (**Ex**ternal **S**hort **M**essaging **E**ntity) for sending and receiving messages over SMPP protocol.
- Developed SMPP server (**S**hort **M**essage **S**ervice **C**enter) which receives messages from SMPP distributor and delivers it to SMPP collector.
- Developed http distributor which sends data over http protocol.

Project: Javelin, A common platform for virtual data room (VDR) and Mergers and Acquisitions (M&A)
Description: Javelin is a common platform which provides functionalities to store / retrieve contents in secured file rooms. It manages users and their access to the contents of different file rooms. It also provides faster search by extracting and indexing texts from the contents. VDR and M&A applications have been created on this platform.

Responsibilities

- Developed Api Gateway service to provide single point access to platform.
- Created common library to include common configurations and filters required in a web service.
- Created common security library based on JWT based authorization and authentication to secure all the rest communication among different web applications.
- Developed web service for users and their access / permission management.

Project: Avril, Unified Messaging and Voicemail Solution
Description: Avril is a unified messaging and voicemail solution that provides users with flexible message access options. It lets users access and manage messages from an email inbox, web browser, Cisco Spark, Cisco Unified IP Phone or smart phone.

Responsibilities

- Developed a web application to provide IVR based options to the caller like record message, deliver message, discard message etc.
- Developed a web application to deliver the voicemail to users' email address.
- Defined Cassandra database schemas to maintain call sessions, registered users' details etc.
- Developed a phone simulator tool for load and E2E testing of our web services.
- Implemented data pipeline using Apache Kafka to broadcast messages among web applications.
- Created build pipeline using Jenkins for Continuous Integration and Continuous Delivery.
- Unit, Component, Integration and Stress testing of applications using TestNG, JMockit and JMeter.
- Demonstrated user story to client at the end of every sprint.

Open Source Contributions

- A multi-threaded JWT password cracker application https://github.com/hemantsonu20/jwt-cracker
- A micro services architecture with gateway https://github.com/hemantsonu20/api-gateway-sample
- A SIP Uri Parser written using Antlr https://github.com/hemantsonu20/sip-parser-antlr
- A cricket score updater via popup https://github.com/hemantsonu20/cric-score-updater
- Contributed to repository https://github.com/tropo/tropo-webapi-java

Achievements

- **Integrated Team Award Q1 2017** GlobalLogic
- **Individual Excellence Award 2016** Aricent
- **Team Excellence Award 2015, 2016** Aricent
- **Culture of Good Code Gold & Silver Awards** Aricent July 2016, Feb 2016, Nov 2015, May 2015.
- Achieved rank 10 in Java on http://www.techgig.com