

# Karthikeyan Ramanathan

Senior Java Developer

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<https://github.com/karthirm>

## CAREER SUMMARY

- Innovative, task-driven professional with 8+ years of experience with a focus on programming & web application development
- 5+ years of experience in implementing enterprise applications using both back-end and front-end Java, J2EE technologies
- Proficient in utilizing a wide variety of tools and frameworks to provide high-quality systems to boost organizational efficiency and productivity

## TECHNICAL SKILLS

Languages	Core Java, Javascript, HTML, Unix, SQL
Technologies	Spring (Core, MVC, Security, Boot, Cloud), Hibernate, J2EE, Microservices, Docker, Kubernetes, Angular
Databases	Oracle, MySQL
IDE	Eclipse, Visual Studio Code, Spring Tool Suite
Tools	Jenkins, Openshift, Git, BitBucket, SVN, Putty, FileZilla, Wincp, Confluence Wiki, JIRA, Postman, Soap UI
Application Servers	Tomcat, IBM WebSphere, JBoss

## WORK EXPERIENCE

### Senior Software Engineer

FIS Global, Chennai

*September-2018 – Present*

**Customer Management** – Part of FIS Enterprise banking components which provides a robust solution for pulling customer information and complete view of the customer relationship at the enterprise level.

- Performed Requirement Analysis, Designed and Built APIs using Spring Boot & Cloud framework
- Built various application modules using Java, Spring Core, Spring Boot, Hibernate, Oracle
- Worked towards setting up container-based technologies like Docker, Kubernetes and OpenShift, Helm Charts and integrating Dev-Ops pipeline (Bitbucket and Jenkins) for code deployments in Customer Management
- Provided training to 10+ junior developers in internal web applications, including steps on how to make minor updates/changes independently
- Developed a tool using Java-Spring-Oracle to notify the stakeholders in case of batch job failures/delays there by preventing the SLA breach, impact to downstream applications, need to pay penalty and reduced manual effort by ~30 hrs./month.
- Resolved Heap Size issue by working with Infrastructure teams which reduced downtime of apps by approximately 12% for downstream applications

### ASSOCIATE/ DEVELOPER

CTS, Chennai

*October-2013 – September-2018*

**Specialty Release** – Assists pharmacies in managing patients who are on specialty medications that generally require

special storage or handling and close monitoring of the patient's drug therapy

- Built various application modules using Java, Spring Core, Spring MVC, Oracle and handed over for UAT
- Involved in fine tuning of SQL queries which were impacting the system performance
- Resolved Out of Memory issues for Specialty release application which increased availability by ~10%

**Specialty Reporting** – Specialty Operational Reporting Application gives the statistical report of the user and teams. Data for this application will be provided by ETL batch jobs

- Worked in development of batch jobs, cron configurations and shell script writing in Unix.
- Followed Agile methodology of code delivery and been adaptive to changing design and requirements
- Found root cause for User kick-out issues in Specialty Reporting application and fixed incorrect SQL query which reduced downtime by ~8%
- Developed Excel VBA (macros) tools to compare & find duplicates which saved ~120 hrs/month for the Specialty configuration team.

## TECHNICAL INTERESTS

- Developed a portfolio website <https://karthikeyan-rm.netlify.app> and integrated with Google Analytics to measure website traffic, track usage
- Sharing my knowledge with developer community by writing technical blogs <https://karthikeyanrm.hashnode.dev>

## CERTIFICATIONS

Oracle Certified Java Professional (OCJP) Edition 6 Programmer

## EDUCATION

**M.Sc. Theoretical Computer Science**  
PSG college of Technology, Coimbatore

*July-2008 – April-2013*

- Was part of a research work related to botnets which became one of the top threats on the Internet.
- Provided a detection mechanism using SNMP MIB statistical model to detect IRC botnets which was published in a Switzerland journal <https://www.inderscience.com/info/inarticle.php?artid=58653>

### Research Intern

Indian Institute of Technology (IIT), Madras

*June-2011 – November-2011*

- Aimed at studying the characteristics of various kinds of botnets
- Testbed setup called RUBOT framework, was used to conduct various experiments on the various botnet types

### Software Engineer Intern

Tecnotree, Bangalore

*November-2012 – April-2013*

- Developed Lucky Draw application which is integrated with the external systems to extract the eligible draw list
- Developed pages using Java, HTML, CSS, Javascript, JSP, SQL to pick up eligible draw list, running draw process etc.

## HONOR AWARDS

- Spot Award in CTS for improving the performance of a batch job
- Above and Beyond Award in FIS for stepping up in critical deliverables for FHB bank and resolving production issues in UI application
- Kudos Award in FIS for taking ownership in new environment set up which integrates the existing application with Docker, OpenShift