

Pavan Kaparathi

Software Engineer | pavankumarkaparathi@gmail.com | Waltham, MA | Ph: +1508-961-8747 | [LinkedIn Profile](#)

EDUCATION

University of Massachusetts Dartmouth, Dartmouth, MA
Master of Science in Computers and Information Sciences

May 2017
GPA - 3.7/4

Jawaharlal Nehru Technological University, Hyderabad, India
Bachelor of Technology in Computer Science and Engineering

May 2015
GPA - 3.8/4

TECHNICAL SKILLS

- Java, SpringBoot, C#, Microservices, SQL, .Net, Maven, Couchbase, Git, ActiveMQ, Kafka, Rest, Cassandra, JavaScript
- IntelliJ, Visual Studio, Eclipse, Bitbucket, Postman, Jenkins, Kibana

PROFESSIONAL EXPERIENCE

Wolters Kluwer Health, Waltham, MA

Jul 2019 - Present

Product Software Engineer

Environment: Java, Spring Boot, Rest, Oracle, Maven, Microservices, Couchbase, Angular

- Designed and developed a new **microservice** for carrying out basic utility issues for our customer support team which saved 30% of developers time from resolving Level 3 incidents and helped instantly resolve user issues.
- Integrated a new Identity Provider to our application using **OpenID connect**.
- Implemented **events** that analyze functionalities and usages of various features in our application.
- Recognize patterns of Level 3 incidents and potential root causes, and advocate for investigation and/or holistic fixes.
- Mentored new grad hires to help them understand application and other business process.

State Street Bank and Trust, Boston, MA

Jun 2017 - Jul 2019

Senior Associate Application Developer

Environment: Java, .Net WPF, WebSocket, SQL, Maven, Kafka

- Developed responsive application using **.NET WPF** with DevExpress for internal **Foreign Exchange** traders.
- Implemented complex calculations, foreign exchange business process flow and the business needs into functional tools and application.
- Integrated **Apache Kafka** for streaming tickering data.
- Employed Web Services using **WebSocket** for connection between server and client.
- Implemented few venue integrations in our application and designed the whole process.
- Developed new functionalities such as persistence and saving user preferences which was appreciated by many users and decreasing their application setup time by almost 80%.

Infosys, Mysore, India

Jan 2015 - Aug 2015

Software Engineer Intern

Environment: Java, JSP, Oracle

- Designed and developed Know your client tool which recognized a user using user's keystroke cluster sampling method.
- Built an interactive application using JSP.
- Implemented oracle database to store all the user statistic and implemented calculations based on these statistics.
- Responsible for preparing the use cases and for designing and developing object models, class diagrams with UML Specifications.
- Worked on developing the complete software development lifecycle tasks (design, coding, testing and documentation).

PUBLICATIONS:

- X. S. Zhang, P. Kaparathi and X. Zhang, **Combat Information Overload Problem in Social Networks with Intelligent Information-Sharing and Response Mechanisms**, in IEEE Transactions on Computational Social Systems, 2020.
- X. Zhang, V. Guduguntla, K. Emani, G. Kulkarni and P. Kaparathi, **Get Smart on Information-Sharing in Social Networks**, 2018 International Conference on Computational Science and Computational Intelligence (CSCI).