

# Deepank Kartikey

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## SKILLS

**Programming:** Java, Python, JavaScript, Problem Solving, TDD, Object-Oriented Design  
**Backend:** Spring MVC, Spring Boot, Microservices, NPM, Node.js, JSON  
**Front end:** HTML, CSS, DOM, React, Angular, Bootstrap, Figma  
**Databases:** SQL, ORM, MySQL, Postgres, NoSQL, MongoDB  
**DevOps:** Docker, Containerization, Terraform, Jenkins, Maven, Git, Jira  
**Others:** JUnit, Debugging, SDLC, Agile, Collaborative, Code Review

## EXPERIENCE

### University of Ottawa: Full Stack Developer

May 2022 – Dec 2023

- Pioneered development of a Python script, **automating firewall rules verification** with data from MS SharePoint Excel thereby reducing manual verification time by 80% and achieving 98% accuracy.
- Implemented **Student Information API**, employing rigorous **test driven development** with **coverage of over 95%** and reducing data retrieval time by 75%, allowing all university departments to seamlessly access & extract information
- Developed **scalable API for University recruiting** using **SprintBoot**, driving a 40% improvement in response time and enabling seamless integration across multiple platforms, enhancing overall system performance.
- Achieved superior software quality with **rigorous unit testing** using **Jest** and **Mocha** frameworks leading to 80% reduction in post-release defects and reduced deployment time by 75% through robust **Jenkins CI/CD** pipelines
- Successfully completed over **3 major projects** within scoped time and ensured **project completion rate of over 95%**

### ACI Worldwide: Java Developer

Jan 2018 – Sep 2021

- Implemented **Struts to Spring conversion** for enterprise fintech solution leading to better dependency management, improved performance and high availability of 99.995%.
- Designed & developed **scalable microservice for configuration migration**, thereby resulting in strategic portfolio revenue growth by \$1 million monthly.
- Implemented and optimized a payment gateway notification system using **Apache Kafka** and Java, resulting in a 30% increase in message throughput, processing over 5,000 messages per second, and **reducing notification delivery latency** by 40%, enhancing the overall payment processing efficiency and user experience.
- Designed and **implemented Project Management Tools** for PMs and stakeholders for quick onboarding of new clients in a fast-paced environment thereby saving 50% of time and resources.
- Debugged & resolved **UAT/Production issues** in **payment gateway application** driving monthly revenue of \$5 million.

## PROJECTS

### Umple, Open Source Project ([Github](#))

- **Migrated Umpleonline to Codemirror6** resulting in Improved Performance, Modular Modern Architecture, richer features (like Autocompletion, Linting, Collaborative Editing), and future proofing the application.
- Researched and **implemented Collaborative Editing** using WebSockets leveraging **Socket IO, Express, Typescript** enabling over 1.5 million users to edit models in Umpleonline to foster teamwork and productivity.

### Pariksha, ([Github](#))

- Engineered a **dynamic full-stack web application**, seamlessly integrating Spring Boot, Angular, and MySQL technologies, resulting in a 20% improvement in overall functionality and user experience.
- Implemented **robust OAuth authentication**, enhancing user security and achieving a 30% reduction in data management incidents, while ensuring a responsive and engaging user interface.
- Executed the successful **deployment of the application on aws**, optimizing performance and scalability, resulting in a 25% increase in application responsiveness and a 40% improvement in overall scalability.

## EDUCATION

Master of Computer Science	University of Ottawa, Canada	3.9/4.0	2021-2023
BTech in Information Technology	VIT University, Vellore	9.27/10	2014-2018

## VOLUNTEERING EXPERIENCE

- Mentored 30 new hires with initial technical & soft-skills training through online and offline modes.