

RISHABH VERMA

4 years experience in designing and building large-scale production-level web applications

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EDUCATION

Master of Science: Engineering Science (Data Science)

Aug 2022 – Dec 2023

UNIVERSITY AT BUFFALO, THE STATE UNIVERSITY OF NEW YORK

Relevant Coursework: Algorithms, Probability Theory, Numerical Mathematics, Statistical Learning & Data Mining, Database

Leadership: STEM activities camp leader for middle and high school students affiliated with School of Engineering

Bachelor of Technology: Computer Science and Engineering

July 2014 – June 2018

DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY, MEERUT INSTITUTE OF ENGINEERING & TECHNOLOGY, INDIA

Relevant Coursework: Data Structures & Algorithms (DSA), Operating Systems, Software Engineering, DBMS

TECHNICAL SKILLS & TOOLS

Backend: Java, Spring Boot, Spring Data JPA, Hibernate, Python, Groovy, C, SQL

Databases: PostgreSQL, MySQL, MongoDB

Frontend: JavaScript, Angular, JSON, HTML5, CSS, Streamlit

Toolkit: Git/SVN, Jenkins, Maven, Postman, RabbitMQ, SAP, Kubernetes, Docker, AWS, JIRA, CI/CD, Linux, Unix, ServiceNow, SaaS

Fundamentals: DSA, HTTP, RESTful Webservices, Microservices, Object Oriented Programming, System Design Pattern, Agile

PROFESSIONAL EXPERIENCE

Software Development Engineer | Digitate, Tata Consultancy Services (TCS), Pune, India.

July 2018 – July 2022

Microservices Development:

- Conceptualized and implemented multipurpose microservice platform using **Java REST API, Spring Boot, JPA, & RabbitMQ** to manage applications for **ERP** clients enabling them to consume **SAP** data
- Visualized and constructed evidence-based interactive dashboards and reports leveraging **Angular, JavaScript and PostgreSQL**
- Enhanced real-time business activity monitoring report performance, reducing response time by over 50%
- Optimized health check microservice agent, examining system anomalies and generating CSV reports and data metrics

Product Development and Strategic Coordination:

- Orchestrated development of [Digitate](#)'s major product capabilities: [Idoc Management](#), Health Check, & Master Data
- Devised a strategic methodology for platform upgradation and coordinated all related activities (architecture and DB)
- Played a pivotal role in TCS' award-winning cognitive automation product, [ignio™ AI.ERPOps](#) & led stakeholder walkthroughs

Process and Quality Improvements:

- Initiated automated testing efforts, cutting post-production defects by 60%, enabling early release of the product
- Conceived solutions for managing automated service approval requests in client systems, improved response time by 40%
- Integrated proprietary software components with commercial off-the-shelf software products (ServiceNow)
- Conducted code reviews, addressing UI, SIT, static, and security Veracode defects. Implemented unit & integration testing

Mentoring and Awards:

- TCS Digital Cadre member, 'A' band performance & LIREL award, Vice President: Toastmaster Club (04167410, 125, Area C04)
- Led training and mentoring of new recruits (7+) and interns

Intern | IBM-Headstart, Delhi, India (MapReduce, Apache Pig, Java, Apache Hive, and IBM Infosphere)

May 2017 – June 2017

- Worked on Big Data Hadoop project analyzing large data sets and generated insights using graphs and dashboards

PROJECTS

- New York Farmers Market Data Analysis (Java, Spring Boot, REST, Hibernate, PostgreSQL, Streamlit) 2023
Data analysis web application leveraging New York Farmers Market dataset. Allowing users to add data and generate insights
- Professional Experience - ignio™ AI.ERPOps (Java, Spring Boot, Hibernate, Groovy | Angular, JavaScript | Tools & Technologies: Eclipse, IntelliJ IDEA, PostgreSQL, Jenkins, JIRA, Veracode, SVN) 2019 – 2022
Customized IDoc Health Check Microservice in ERP, detecting anomalies and tabulating dashboard insights. Designed Service Request solutions for SAP ERP. Crafted master data solutions and customizable system health checks
- ILP - Banking Management System (Java, Spring MVC, JavaScript, SQL, HTML5, CSS) 2018
Created a sample project assisting bank employees to efficiently track and organize customer transactions and operations on large data sets. Developed during training period in TCS