Vaibhav Sharma

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TECHNICAL SKILLS

Languages: Core Advanced Java, C++, JavaScript, Python, HTML, CSS
Frameworks: Spring Boot, Jersey, Morphia, Node.js, React
Software Testing: JUnit, Mockito, Postman
Database: MongoDB, MySQL, Redis, Aerospike
Core concepts: Collection Framework, Stream APIs, Object Oriented Programming Concepts, Data Structures and Algorithms
ORM: Hibernate, jQuery, JPA Repositories
Developer Tools: Git, Docker, VS Code, PyCharm, IntelliJ, Eclipse, Maven, JIRA, Jenkins, Bitbucket, Kafka
Libraries: pandas, NumPy, Matplotlib

EXPERIENCE

Software Development Engineer - Java January 2022 – July 2024
Trackolap *Noida, India*

Project: Beachfront Media LLC
- Engineered the Real-time Bidding OpenRTB 2.6 and Video Ad Serving Template (VAST) features by implementing Java API modifications.
- Remodeled redis functionalities to aerospike reducing the latency by 70 percent.
- Fortified user privacy by engineering the Global Privacy Signal implementation into the ad server.
- Facilitated system scalability and flexibility through the use of microservices architecture, handling 12 billion requests on a daily basis.
- Maintained and optimized ad targeting processes, which contributed to generating 4.5 million USD in monthly revenue.
- Upgraded 10+ Java projects based on MVC architecture to the latest Spring and Java versions, enhancing performance and maintaining compatibility with modern frameworks.

Project: Trackwick
- Built and maintained RESTful API for 5+ microservices utilizing Morphia and Jersey Framework.
- Utilized Postman to conduct comprehensive API testing and designed corresponding Mockito JUnit test cases.
- Programmed and deployed the Cloud Bit Point module to improve real-time monitoring of web applications.
- Designed and implemented webhooks for third-party integrations on a platform with 15,000 daily active users.
- Installed GPS tracking capabilities in the Eduwick App, delivering accurate, real-time location data to 30+ schools.

- Led end-to-end testing and deployments as Scrum Master, utilizing CI/CD pipelines in Jenkins for a team of 8 backend developers.

EDUCATION

State University of New York Buffalo, NY
Masters of Sciences in Computer Science and Engineering *Aug. 2024 – December 2025*

University of Delhi Delhi, India
Bachelors of Sciences in Computer Science *July 2017 – November 2020*

AWARDS AND ACHIEVEMENTS

- State level bronze medalist in boxing and taekwondo.
- 'A' grade holder from National Adventure Institute, India
- Volunteer for Civil Society Organisations like UMEED, Leaders for Tomorrow, MASH Project.
- Attended Summer school on leadership, policy and governance at IIM Ranchi.