

Amruta Mishra

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WORK EXPERIENCE

ITC Infotech (Client: BlackRock)

Senior IT Consultant

Austin, TX

May 2025 – Feb 2026

- **Integrating cash collateral management into Aladdin ecosystem** using **BMS and service-based architecture**, reducing memory utilization in monolithic server, and increasing system scalability by **25%**.
- **Automating** the manual **collateral confirmation** process with **Spring Boot**, reducing processing time by **40%**, minimizing operational risk and enhancing **post-trade efficiency**.

SelectFI

Full Stack Intern

Buffalo, NY

May 2024 – Aug 2024

- Revamped payment estimates applications for 40+ dealership sites, improving user engagement and reducing user navigation time by 20%, utilizing skills in **JavaScript, PHP**.
- Engineered a **predictive screen** for payment plans using **Python and JavaScript**, increasing conversion rates by 15%.
- Implemented **leasing options in a payment calculator app**, leading to a 30% rise in customer satisfaction.

Bank of New York and Mellon

Senior Associate – Full Stack Developer

Pune, Maharashtra

Jul 2021 – Jul 2023

- Created **automated alerting service** for setup expiration alerts, reducing manual oversight by 80%.
- Developed a **Spring Boot** web service with complex event workflow and 2nd level approval process in 3 weeks.
- Led development and testing of 10+ web applications using **Java, REST API, and Spring Boot** following **Agile** methodologies.
- Managed end-to-end development of 2 large-scale enterprise web applications serving over 10,000+ users.
- Spearheaded **SWIFT MT to MX** conversion, enabling compliance and 30% more transaction formats.
- Initiated design and implemented 5 microservices, leveraging **Kafka** for efficient data streaming.

Bank of New York and Mellon

Associate – Full Stack Developer

Pune, Maharashtra

Jul 2018 – Jun 2021

- Optimized **SQL** queries and code, reducing report delivery turnaround time by 60% and resolved a **P2 production incident**, ensuring minimal business impact.
- Deployed 10+ applications leveraging **Docker, App Engine, & Kubernetes** streamlining **CI/CD pipelines** for efficient releases.
- Leveraged **AWS S3** to design a bulk upload feature for seamless file storage, processing, and automated archiving, enhancing data management and scalability.
- Enhanced reporting application by creating 20+ reports using **Spring Batch** and **Jasper** templates.
- Migrated 5 **AngularJS** applications to **Angular** for improved performance and maintainability.
- Maintained and improved a legacy **Java, Spring MVC** application, reducing bugs by 40%.
- Built multiple **analytical dashboard/widgets** using **Highcharts**, boosting data readability and decision-making.

TECHNICAL SKILLS

- **Languages & Frameworks:** Java, Spring Boot, REST API, Python, C/C++, SQL, MySQL, HTML/CSS, Bootstrap, JavaScript, TypeScript, Angular, Hibernate/JPA, PHP, Kafka, PyTorch, NumPy, pandas, TensorFlow, Hadoop, Maven, Highcharts/D3.
- **Software:** Eclipse, VS Code, IntelliJ, WordPress, GitHub, CI/CD, Docker, Kubernetes, Jenkins, App Engine, Figma, Jira, Confluence, DB2, Linux, Oracle, Google Analytics, AWS S3, Splunk, SonarQube, ServiceNow, Spark, GCP, JSON/XML.
- **Additional Skills:** SDLC, Debugging, Object-Oriented Design, Data Structures, Junit, Jasmin & karma.

EDUCATION

Master of Science, Computer Science

University at Buffalo

Aug 2023 – Dec 2024

GPA – 3.63/4.00

Relevant Coursework: Algorithms Analysis & Design, Computer Security, Data Intensive Computing, Machine Learning, Computer Architecture, Modern Networking, Operating Systems, Management of IT Projects, Database Systems.