

## EDUCATION

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- **University of Illinois at Chicago** Chicago, IL  
*Master of Science in Management Information Sciences* Aug 2023 – Present
- **Birla Institute of Technology and Science** Pilani, India  
*Bachelor of Engineering in Electronics and Communication* Aug 2017 – July 2021

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, SQL (Postgres), JavaScript, Typescript, HTML/CSS, Shell  
**Cloud and Database:** AWS, Openshift, Helm, Kubernetes, Spring Cloud, Oracle SQL, PostgreSQL, MongoDB  
**Web Technologies:** React, Node.js, Flask, JUnit, Material-UI, Express js, Next js  
**Developer Tools:** Git, VSCode, IntelliJ, Docker, Maven, Jira, Junit, Selenium, Jenkins, Splunk  
**API Frameworks:** Spring, Spring MVC, Spring Boot, Spring Data JPA, Flask, Hiberante, Spring Cloud Services - Eureka, Gateway, Hysterix, Cloud Config

## EXPERIENCE

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- **UIC College of Engineering** Chicago, USA  
*Full Stack Developer (Graduate Assistant)* Oct 2023 - Present
  - Spearheaded the strategic transition of a legacy PHP application to a modernized React frontend and Node.js backend, driving enhanced user experiences and improved performance.
  - Led the deployment and management of the revamped application in virtual machine environments, ensuring optimal performance, scalability, and security while minimizing disruptions to ongoing operations.
- **Deutsche Bank** Pune, India  
*Associate Engineer* Jul 2021 - Jul 2023
  - Designed a deployment configuration and alerting system for a legacy application transfer to the company's private cloud running on Openshift, which minimized infrastructure difficulties, decreased outages, and boosted automation, saving \$112,000 per year in server costs.
  - Developed multiple services to synchronize data from various parts of the organization utilizing Spring Boot microservices and helm charts, which resulted in a 75% reduction in turnaround time and an increase in the accuracy of the organization's accounting process.
  - Created a utility tool to analyze configuration files of various environments for the development and testing of a critical legacy application using Jenkins pipeline and Python, which improved the usability of the environment and reduced testing queues from three days to twelve hours.
  - Worked on automating testing of various team reports and integrating it with the Jenkins pipeline (CI/CD) of services to reduce deployment time by 80%.
  - Updated legacy reporting mechanisms to microservice architecture written in Spring Boot RESTful services with React as the frontend, enabling the addition of new functionality.

## AWARDS

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- **AWS:** Secured the first place in the AWS JAM, which was organized by AWS in partnership with McDonald's

## PROJECTS

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- **Automated Trading** | *Python, SQLite, Docker*
  - Leveraged Python, APIs, SQL, Docker, and Websockets to develop and implement automated trading strategies in the stock market, demonstrating consistent profitability.
  - Overcame the learning curve associated with various technologies, including Docker, to ensure seamless integration and operation of the automated trading system.
- **Security Research** | *Oracle ERP*
  - Successfully identified and exploited a serious security vulnerability within PeopleSoft ERP, showcasing expertise in privilege escalation and buffer overflow techniques, as well as in-depth knowledge of Oracle and PeopleSoft.
  - Applied advanced pen testing methodologies to assess the security of PeopleSoft ERP, resulting in the resolution of a high-severity security vulnerability, and highlighting expertise in Oracle, PeopleSoft, and pen testing techniques.