Mitali Chivate

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# Experience

**Graduate Assistant** – **University of North Carolina Charlotte Jan 2023 – May 2024**

* Proficiently utilized **AngularJS** and modern web technologies to enhance the user interface and functionality of web applications.
* Enhanced application functionality through the strategic integration of **data tables**, graphical representations, and **Geolocation APIs** in **Angular applications**, boosting data visualization and location-based features, resulting in a 40% increase in user engagement metrics.
* Interacted with 30 + internal users to gather insights and define system requirements and modifications, ensuring alignment with business objectives.
* Contributed to the design of the **Java** Fundamentals and **Object Oriented development (OOP)** course, improving learning outcomes through meticulous assignment grading and hands-on guidance in project work and workshops on web development principles.

**Software Engineer** – **Brillio, Pune, India Jun 2021 – Jul 2022**

* Developed and maintained enterprise applications using **Java**, **Spring Boot**, ensuring compliance with regulatory industry standards and boosting user engagement by 25%.
* Generated **RESTful Web services** and APIs which streamlined and integrated multiple services across Verizon Network portfolio leading to 30% increased efficiency for **request handling** and server response time.
* Engineered a real-time data visualization dashboard using **Angular** and **D3.js** to display key performance metrics such as sales trends, user engagement, and website traffic resulting in a 30% improvement in data accessibility.
* Collaborated with a team of developers to plan and execute the migration of a large-scale codebase from **Angular 11 to React 17,** ensuring seamless transition and minimal disruption to ongoing development efforts.
* Formulated a **Business Process Modeling Workflow** utilizing the **Red Hat** Process Automation Framework to optimize **microservices'**

business decisions and processes, resulting in a 50% automation rate.

* Performed **API testing** using **Postman**, **SoapUI** and **Swagger** for Validation-ensuring communications.
* Followed **Agile** methodology by iterative development process, including **SCRUM**, regular sprints, Unit Testing, and Continuous Integration, to deliver high-quality software solutions.
* Achieved a 20% increase in vendor traffic analysis effectiveness by leveraging insights from clickstream data in **JavaScript** to refine marketing strategies and target audience segmentation.

**Software Analyst – Capgemini, India Nov 2020 – Jun 2021**

* Implemented unit testing using **JUnit** and **Mockito**, reducing the number of bugs by 45% and improving overall code quality by 35%.
* Spearheaded the integration of **SonarQube** into **CI/CD** pipelines, enabling automatic code analysis on every build; established quality gates to uphold predefined thresholds for code quality metrics analysis, leading to a 50% improvement in overall code quality
* Integrated automated tests into the continuous delivery pipeline using **Jenkins,** improving the efficiency of regression testing by 40%.
* Continuously analyzed and enhanced **test coverage** for microservices, actively participating in code reviews, ensuring adherence to coding standards and best practices.
* Utilized **Docker** and **Kubernetes** clusters for application **containerization**, ensuring seamless deployment and scalability of microservices.

**Software Development Intern – FncallBack Technologies, Pune, India Jun 2020 – Oct 2020**

* Secured the **Web** **APIs** by implementing a **JWT** tokenization authentication service using **Spring Security** and **OAuth2** for third-party access to authorization data.
* Orchestrated the transformation of legacy software systems by leveraging **jQuery**, **Bootstrap**, and **Angular** technologies; optimized the user interface, resulting in a 30% increase in user retention and reduced page load times.

# Education

* M.S. in **Computer Science** – University of North Carolina Charlotte, USA Aug 2022 – May 2024
* B.S. in **Information Technology** – Savitribai Phule Pune University, India Aug 2016 – May 2020

# Skills

* **Software Development Frameworks**: Spring, Spring MVC, Spring boot, Spring Cloud, Spring Security, JPA, Hibernate, Microservice, SOAP, RESTful Web services, TDD (test-driven) Development
* **Web Technologies**: Angular, React JS, Restful APIs, jQuery, JavaScript, AJAX, XML, HTML5, CSS3
* **Programming Languages**: Java, J2EE, Python, C++,C
* **Tools**: Git, JIRA, Maven, SCM, Jenkins, Gradle, SonarQube, Nexus, JUnit, Mockito, CI/CD pipelines, Tomcat, Swagger, Hystrix, Postman
* **Databases**: MySQL, Oracle, MongoDB
* **Cloud**: AWS, Docker, Kubernetes

# Projects

## Get Certified Online

* Designed a Full Stack Web Application that allows users to enroll 10+ courses, take trainings and give exam by making a payment using
* **Spring Boot** **Microservices** in backend, **Angular JS Material UI** in Frontend and configured **AWS RDS** Database.
* Implemented **JWT** Tokenization for authentication, **Hystrix** for fault tolerance, **Netflix Eureka** to locate services and load balancing.

## Serverless E-commerce Website using AWS

* Proposed a robust **ReactJS e-commerce platform**, incorporating Stripe for secure payment processing and comprehensive management of payment invoices using **AWS Lambda**, **Simple Email Service, DynamoDB, and S3,** ensuring accurate tracking and storage of transaction data.
* Engineered a serverless architecture using AWS services including **API Gateway**, Simple Queue Service, and **CloudWatch**, optimizing scalability and resource utilization for ECS and EKS tasks.