Mayank Barua

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EDUCATION

Northeastern University, Boston, MA   *May 2020*
Master of Science in Information System, 3.84 GPA
Shri Govindram Seksaria Institute of Technology and Science, Indore, India   *May 2014*
Bachelor of Engineering in Computer Engineering

TECHNICAL SKILLS

Programming: C, Java 2.0 (Core and Advance), C#, SAP ABAP, Python, Shell Scripting, GoLang
Framework: Spring MVC, Hibernate, Java Swing, Angular 1 and 6, Node JS, Bootstrap, Spring Boot
Web Technologies: JSP, Servlet, JavaScript, HTML, CSS
DevOps Tools: AWS, Kubernetes, Docker, Jenkins, CloudFormation, Ansible, Helm Chart, Jenkins, CircleCI, GoLang, KOPS
Database and Server: Oracle 11g, MySQL, PostgreSQL, Redis, MongoDB, XML, JSON, Apache Tomcat, Glassfish
Tools: Jira, Eclipse, NetBeans, ServiceNow, SAP Net weaver 7.5, Turbo C, Git, Visual Studio, Bit Bucket, Postman, JetBrains, Intellij, Spring Tool Suite, Moqups, Axure RP, Balsamiq

PROFESSIONAL EXPERIENCE

NetBrain Technologies, *Software Engineer Co-op,* Burlington, MA   *July 2019 – Dec 2019*
- Responsible for implementing new feature and requirements using Angular 1 and C sharp.
- Created an automation solution to utilize NetBrain Application features on trigger of new incident creation in ServiceNow
- Successfully developed and published a certified application on ServiceNow App Store which is an integration solution for NetBrain System.

Northeastern University, *Graduate Teaching Assistant,* Boston, MA   *Jan 2019 – April 2019*
- Assisted Professor as a Teaching Assistant for Web Design and User Experience (INFO6150) by conducting TA hours, code review sessions, and grading programming assignments.
- Provide feedback and guidance to students by conducting one on one and small group meetings sessions.

Infosys Technologies, *Senior Software Developer,* Pune, India   *May 2014 – April 2018*
- Enhanced business process and mapped SAP to business process for new tax regime i.e. GST (Goods and Service Tax) by implementing SAP notes
- Analyzed client requirements and implemented the solution by developing the objects using SAP ERP (Enterprise Resource Planning) standard programming language ABAP.
- Implemented end to end sales process according to business requirements, and tested and integrated various SAP modules

ACADEMIC PROJECTS

Blood Supply Chain Management System / Web: Angular 6, Rest API, Node JS, HTML and SCSS and **Java:** Java Swing, OOPS
- Implemented an application to search blood donors based on location and blood type.
- Programmed application using Java swing for desktop application and, used Angular 6 and node JS for the web application.
- Developed application to provide an easy and user-friendly environment where a user can search for blood donors based on location and blood group, as well as hospital. Application also provides functionality to hospital to manage its blood bank.

Event Look Up / Java: OOPS Concepts, Spring MVC, Hibernate, JavaScript, AJAX, and MySQL
- Implemented an application for searching event based on location and category.
- Programmed application using JavaScript, HTML, Bootstrap, Spring MVC, Hibernate.
- Developed application to search event within the selected city and category. User can book and manage booked tickets. Any user can create an event, but it will be available for booking once admin approves that event.

AWS: Node JS and AWS services
- Created a REST API application and deployed on EC2 instance via CICD process using various AWS services.
- Programmed REST API in Node JS and utilized AWS services like VPC, CloudFormation, EC2, Lambda Function, RDS, DynamoDB, S3, Route 53, CloudWatch, Autoscaling Group, AWS CLI and IAM.
- Developed Rest API for library Management System and deployed this application on EC2 instance using CloudFormation and Circle CI. Created shell scripts to create own Network infrastructure and application infrastructure.

Container Orchestration using Kubernetes: Node JS, Kubernetes, Docker, Helm chart, Ansible, Jenkins
- Created a full stack application and deployed on Kubernetes cluster using Helm charts and ansible via CICD process.
- Programmed backend in Node JS, frontend in React JS. Used KOPS for creating Kubernetes cluster on AWS, Kubernetes for deploying and managing containerized applications, Docker for container images, Helm chart and ansible for deployment, Jenkins for CICD, EFK (Elastic Search, Fluentd and Kibana) stack for logs, and Prometheus and Grafana for metrices.
- Developed application and deployed it as containers on Kubernetes cluster from docker image of the application. Deployed application using ansible roles and helm chart, Designed Jenkins Pipeline to build, push docker images to Docker Hub and perform rolling update style deployments on the Kubernetes cluster.