ABHISHEK VISHWANATH

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TECHNICAL SKILLS

Programming Languages: Java, Python
Databases: Oracle, MySQL, MongoDB
Web Technologies: Spring Framework, Hibernate, Node.js, HTML, JavaScript, CSS, AJAX, JSON
Cloud Computing Platform: Amazon Web Services (AWS)
Infrastructure and CI/CD Tools: Terraform, CircleCI
Tools and Utilities: Eclipse IDE, MySQL Workbench, TortoiseSVN, Git Bash, NetBeans, Postman

EDUCATION

Northeastern University, Boston, MA   **Expected - May 2021**
Master of Science in Information Systems

Visvesvaraya Technological University, Bangalore, India   **June 2015**
Bachelor of Engineering in Electronics and Communication Engineering

PROFESSIONAL EXPERIENCE

Associate at Cognizant Technology Solutions, Bangalore, India   **May 2016 – August 2019**
- Actively involved in analyzing clients' business requirements, designing, and development of Web applications by leveraging Adobe Experience Manager (AEM)
- Trained and supervised a team of 3 to author content of 5 multilingual Web applications
- Developed and tested over 50 components and 30 Web Services of varying complexities using Java and Sling Framework
- Developed a complex workflow to automate rolling out pages and eliminated 35 person hours of manual work per week
- Integrated Brightcove video connect with AEM to streamline videos from video cloud, as a part of Proof of Concept (POC)
- Developed a critical benchmark component to generate performance graphs of an industry, based on input metrics by implementing D3.js framework
- Implemented Ehcache in a Web application and evaluated the memory size required for smooth running without latency

ACADEMIC PROJECTS

Camp World (Node.js, Express.js, MongoDB)   **March 2020 - August 2020**
- Designed and developed a camping site web application by leveraging Express.js framework along with Node.js
- Utilized Passport.js as a middleware for authentication
- Leveraged MongoDB to persist user data and ensured to hash the passwords before storing them in the database

Ecommerce Bookstore (Spring, AWS, CI/CD pipeline, AWS Lambda, RDS, SES, S3, DynamoDB)   **May 2020 – August 2020**
- Developed a bookstore web application using Spring and Hibernate framework and deployed it on AWS cloud platform
- Built an entire Infrastructure as a Code (IaC) using Terraform and created a golden Amazon Machine Image using Packers
- Incorporated load balancers to scale up and scale down EC2 instances based on the load
- Developed a Lambda function to trigger emails with reset password link to registered users using Simple Email Service
- Set up CI/CD pipeline and automated deployments of passed builds directly on production environment
- Load tested the application by leveraging Apache JMeter

Online Travel Agency (Java, Spring, Hibernate, MySQL)   **March 2020 - April 2020**
- Architected and developed a multi-party flight reservation application to allow multiple airliners to host and manage their flights and customers to make reservations
- Leveraged interceptors to intercept SQL and JavaScript injections and secured the web application
- Encrypted user passwords using BCrypt API before storing them in MySQL database
- Generated downloadable PDF of tickets booked by the customer

Credit Risk Modelling (Python)   **March 2020 - April 2020**
- Partnered with a team of three to build a credit risk model to determine Expected Loss of a bank based on loans lent
- Built Probability of Default model using logistic regression and validated its accuracy using Gini Plot

ACCOMPLISHMENTS
Awarded "Certificate of Excellence" by Northeastern University for an exceptional presentation, on a case study, amongst 30 teams
Accoladed with "SPOT AWARD" by Cognizant for an outstanding performance in "CDB–Interactive" competency