

BHAVYA PATHAK

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EDUCATION

Northeastern University, Boston, MA

Master of Science in Information Systems

April 2020

Acropolis Technical Campus, Indore, India

Bachelor of Engineering in Electronics & Communication

June 2015

TECHNICAL SKILLS

Languages: Java, SQL, JavaScript, C, C++, Swift, Bash/Shell Script, Python

AWS Services: CloudFormation, Lambda, DynamoDB, AWS SDK for Java, S3, CICD Pipeline

Web Technologies: HTML5, CSS3, Node.js, AJAX, JSON, TypeScript, Bootstrap

Frameworks/Libraries: Spring MVC, Hibernate, Spring Boot, Angular, ReactJS, Express

Database: Oracle, MySQL, MongoDB, PostgreSQL, Redis

DevOps/Tools: Docker, Maven, Ansible, Jira, Git, Jenkins, Elasticsearch, SVN, VIM, Selenium, JUnit

RELEVANT EXPERIENCE

Nok Nok Labs Inc, San Jose, CA

May 2019 – Dec 2019

Software Engineer Intern

- Created remote server Bash scripts to deploy and manage application resources on Unix/Linux Operating System
- Automated application deployment by containerizing the product servers, database, and gateway with Docker using docker images and Python scripts
- Achieved 3x performance gain by distributing the functionalities in separate containers
- Enhanced Ansible playbooks used to build and deploy Administration and Authentication Servers on Docker containers
- Fixed bugs in the Java application for the product

DXC Technology, Indore, India

Sept 2015 – Oct 2017

Software Engineer

- Worked in a global team with Java developers, business analysts, testers, project managers, and other technical specialists
- Developed and maintained insurance products using Java, JSP, and Oracle database
- Carried out developing, testing, debugging and code fixing routine for Java applications
- Implemented strong design patterns and multi-tier architecture to increase system flexibility which reduced development time and maintenance cost by around 30%
- Implemented client side application to interact and integrate with backend Spring Boot based REST APIs
- Increased modules delivery by 15% by evaluating existing complex systems and implementing the helper classes to maximize code re-use and efficiency
- Awarded certificate of achievement for delivering quality code and resolving critical defects

PROJECTS

Safe Campus - Swift and XCode

April 2020

- Developed and designed an iOS application for students to predict safe locations around the campus by analyzing past and present crime data

Cloud Computing – AWS Services

March 2020

- Deployed a Spring Boot web application on the cloud platform AWS
- Implemented auto-scaling, load balancing, CI/CD: CodeCommit, CodeBuild, CodeDeploy

Duplicate Record Finder - Spring Boot, Hibernate, and MySQL

April 2019

- Built a Java spring-boot application to find duplicate record in a CSV file using Levenshtein distance and Metaphone algorithm

Tour and Travel Booking - NodeJS, Angular, MongoDB, and Material UI

December 2018

- Designed and developed REST API web application for Tour and Travel Packages for a customer to book any available package or ask the admin for custom package using MEAN stack architecture
- Authentication mechanism using PassportJS and JSON Web Tokens