

JAGMANDEEP KAUR

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TECHNICAL SKILLS

Languages:	Java, J2EE, JavaScript, HTML5, CSS3, SQL, Python
Frameworks:	Spring MVC, Hibernate, Spring Boot, jQuery
Database and Servers:	DB2, MongoDB, MySQL, SQLite, Apache Tomcat
Tools Used:	Eclipse, IntelliJ, Netbeans, Jira, Stash, Git Bash, Putty, GIT, circleci, mTools, Ansible, AWS, Docker, Kubernetes, Jenkins

EDUCATION

Northeastern University, Boston, MA (Master of Science in Information Systems)	GPA 3.8	Expected June 2020
<u>Courses:</u> Web Design and User Experience Engineering, Web Development Tools and Methods, Program Structure and Algorithm, Network Structure and Cloud Computing, Advance Cloud Computing		
Guru Nanak Dev Eng. College, Ludhiana, India (Bachelor of Technology in Computer Science)	GPA 3.9	July 2015

EXPERIENCE

Graduate Teaching Assistant, Northeastern University	Jan2020-present
<ul style="list-style-type: none">Assist Professor as Teaching Assistant for Network Structure and Cloud Computing (CSYE6225) by conducting TA hours, code review sessions, and grade assignments.Provide feedback and guidance to students by conducting one on one and small group meetings sessions to resolve any difficulties faced by students.	
NetBrain Technologies, Burlington, Boston (Software Development Research Co-op)	Aug 2019-Dec 2019
<ul style="list-style-type: none">Responsible for software implementation, enhancement and bug fixDeveloped a standalone application to create dynamic pages on confluence by fetching data from MongoDBSuccessfully developed a python cli tool for the health check of the Netbrain Application.Created Ansible playbooks for the successful patch deployments on Windows server	
Tata Consultancy Services, Noida, India (Java Developer)	Nov 2016-July 2018
<ul style="list-style-type: none">Accomplished end-to-end encryption and tokenization of Plain Card data into unreadable form called ciphertext using AES (session) encryption which improved card security by 25 timesWorked on integrating the SQLite database for an enhancement to keep records of unsuccessful transactionsDeveloped a Java framework using Collections and Interface for parsing response received from third party for transactionsImplemented Rest Web Services for processing cards at WalgreensImplemented Java framework to remove the dependency from hitting actual database (DB2) every time a card is swiped boosting the efficiency of the POS terminals by 15%Led offshore team of 6 members during critical projects	

ACADEMIC PROJECTS

Advance Cloud Computing (Nodejs, AWS, Github, Jenkins, Postman)	Spring 2020
<ul style="list-style-type: none">Migrating Node.js app to Docker images to run on Kubernetes clusters using pods, replication controllers.Created Ansible Playbooks which provision AWS resources for webapp like VPC, EC2, RDS etc.	
Files on Cloud (Spring Boot, AWS, Namecheap, GitHub, Circleci, Postman)	Summer 2019
<ul style="list-style-type: none">Created an AWS CloudFormation template to create the infrastructure Stacks for the Spring Boot applicationInfrastructure: EC2 instances, S3 Bucket, RDS, DynamoDB, Security Groups, IAM Resources (User, Roles, Groups, Policies), Simple Notification Service (SNS), Simple Email Service (SES)Established a continuous deployment pipeline for the web application using Github, Circleci and AWS CodeDeployStored the user-specific files in S3 bucket and its metadata in AWS RDS	
Job Search Portal (J2EE, Spring MVC, Hibernate, Maven, Bootstrap, HTML5, CSS3, MySQL)	Spring 2019
<ul style="list-style-type: none">A Spring MVC web application that allows the communication between the job seekers and employerHibernate annotations-based mapping for enhanced database interaction with MySQLImplemented cross-site scripting interceptors and session management techniques to secure data.	