

Harsh Vardhan Singh

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EDUCATION

Northeastern University, Boston, MA

Sep 2017 – May 2019

Master of Science in Information Systems

Relevant Courses: Application Development Engineering, Data Structures and Algorithms, Networking and Cloud Computing, Web Design and Development

Anand Engineering College, Agra, India

Jun 2008 – Jun 2012

Bachelor of Engineering in Information Technology

Relevant Courses: Java, Object oriented systems (OOPs), Web technology, Database management systems

TECHNICAL SKILLS

Programming languages/Framework	Java, C#, ASP.NET, Web API, Spring, JUnit
Web Technologies	Angular, Nodejs, Express, jQuery, HTML, CSS, AJAX, and Bootstrap
Tools	Eclipse, Visual Studio 2012, Team Foundation Server, Perforce, Git, Hibernate ORM
Architectural Patterns	MVC, MVVM
Database	MongoDB, SQL Server, MySQL, PostgreSQL
Cloud Technology	Amazon Web Services

PROFESSIONAL EXPERIENCE

MONSTER WORLDWIDE, WESTON, MA

Software Engineer Intern - Release Automation Team

Jun 2018- Aug 2018

- Automated the process of invalidating the Amazon Machine Images using Web API with Test-driven development
- Designed an interface to view, multi-select CloudFormation Stacks and invalidate the images
- Implemented the real-time update for the CloudFormation Stacks status using SignalR

TATA CONSULTANCY SERVICES, PUNE, INDIA

Information Technology Analyst (.Net developer)

United Airlines

Mar 2014 – Jul 2017

- Supervised the team, held code reviews, met deadlines and successfully achieved 99% customer satisfaction
- Proposed and implemented automation of status report generation and submission to reduce time-effort by ~20%
- Implemented account level process improvement for automating the desktop time zone to Central Standard Time
- Automated email sending service for timesheet filling, daily tracker, and leave updates

System Engineer (.NET developer)

British Gas: Queensland Gas Company (QGC)

Jun 2013 – Mar 2014

- Automated the manual task of repetitive searching of data from Big Data, thus reducing the lead time
- Submitted business proposal for developing a user interface to directly enter oilfield data and inserting them into the database, reducing the manual data entry efforts hence reducing manual efforts by ~30%

ACADEMIC EXPERIENCE

NORTHEASTERN UNIVERSITY - Teaching Assistance

Web Development Tools & Methods, Parallel and Multithreading Program

Jan 2019 – Apr 2019

Application Engineering Development

Sept 2018 – Dec 2018

- Responsible to conduct labs, resolve course-related technical doubts and help learn a better approach to the problem

ACADEMIC PROJECTS

Follo – Web Application using MEAN Stack

Jan 2019 - Apr 2019

- Designed and implemented web application using MEAN stack to create communities, posts, token-based login
- Implemented module routing using angular framework
- Achieved authorizations using the JWT token-based login and sign up

Network Structures & Cloud Computing

Sept 2018 – Dec 2018

- Designed and built fault-tolerant web application hosted on a cloud computing platform (Amazon Web Services)
- Implemented Continuous Delivery using GitHub, Travis CI, and Amazon CodeDeploy
- Gained understanding of DevOps and Site Reliability Engineering roles

Career Development Website

Jan 2018 – Apr 2018

- Designed and build web application to search, apply and view progress status for jobs using Spring MVC and Hibernate
- Implemented REST call using AJAX to avoid reloading of pages and provide dynamic information on the go
- Achieved role-based authorization using the Spring security and sanitized the inputs using Filters