

NIRUPAMA SHARMA

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Available: May-August 2019

SUMMARY

Dynamic Software Engineer with an aptitude for innovation, problem-solving, and a passion for learning new technologies. Having 4 years of experience in Software Development. Proven track record of designing and implementing flexible solutions which include frequent UI and backend changes. Strengths include:

- **Agile/Scrum Methodology**
- **Object-Oriented Programming**
- **Service Oriented Architecture**
- **Web Development**

EDUCATION

Northeastern University, Boston, MA

College of Computer and Information Science

September 2017-Present

Candidate for a Master of Science in Computer Science, GPA: 3.33

Expected Graduation: December 2019

Courses: Programming Design Paradigm, Robotic Science and Systems, Algorithms, Managing Software Development

Rajasthan Technical University -Engineering College, Ajmer, India

June 2012

Bachelor of Technology (Honors) in Computer Science & Engineering, GPA: 3.67

TECHNICAL SKILLS

Languages: Java, Ruby, Python, C#, C++, C, SQL

Web Technologies: React, Redux, Express.js, Node.js, Vue.js, RESTful Web Services, Hibernate, Spring MVC, Spring Boot, Django, Ruby on Rails, JSON, HTML5, CSS3

Software/Tools: IntelliJ, Spring Tool Suite, SQL Developer, SVN, Apache Tomcat, Git, WildFly, JIRA, Jenkins, ANTLR, mLab, Gradle, Maven, AWS EC2, Heroku, Nginx

Database: Oracle Database, MySQL, PostgreSQL, MongoDB

Operating Systems: Windows, Linux, Mac OS X

WORK EXPERIENCE

New York Life Insurance Company, New York City

June 2018 -Present

Software Engineer Co-op/Intern

Technical Scope: React, Redux, Express.js, Java, Spring, Hibernate, MongoDB, RESTful Web Services

- Designed and developed a web application to automate changes to nylinure.com domain websites like <https://ama.nylinure.com>. The application provides three levels of authentication from business users to developers.

TIAA (formerly TIAA-CREF), Mumbai

October 2016 -June 2017

Software Developer

Technical Scope: Java, Spring MVC, Hibernate, Mockito, Python, TensorFlow, Oracle Coherence, AngularJS, MySQL

- Developed file hub web application to validate insurance files of customers.
- Developed bots to automate file verification using Python and TensorFlow.
- Spearheaded development of a carpooling system for TIAA, Mumbai employees using Spring Boot and MongoDB.

TATA Consultancy Services, Pune

March 2013 -September 2016

Systems Engineer

Technical Scope: JSF, Java, Spring MVC, Struts, Hibernate, JUnit, EDW, JMS

- Developed a tool to generate Insurance Agents' Course Compliance reports.
- Developed **SMS (Short Message Service) notification system** for 4G data plan recharge benefit scheme for Vodafone using JMS Publisher/Subscriber Model.
- Designed and developed Customer Acquisition System UI and backend for **Vodafone RED family plan** in India.
- Designed and developed a cost-effective application for **SIM (Subscriber Identity Module)** activation, which replaced IBM WebSphere Process Server in the existing application.

PROJECTS

Design & Share

June 2018-Present

- Developed a web application for sharing home and landscape design images and DIY ideas using MongoDB, Spring, React, and Redux. (<http://www.designandshare.info>)

PlagChecker

January 2018-April 2018

- Developed software to detect plagiarism in student assignment submissions through Git repository.
- Implemented code comparison algorithms based on Abstract Syntax Tree using ANTLR Python Grammar.

Robotics Motion Planning

November 2017-December 2017

- Used Peter Corke's MATLAB robotics toolbox to implement **PRM (Probabilistic Roadmap)** and **RRT (Rapidly-exploring Random tree)** algorithms for Puma 560 with six link robot arm in multi obstacle configuration space.
- Performed statistical analysis of runtime performance of PRM and RRT.

INTERESTS

- Badminton, Dramatics, Zumba