

HITEN GUPTA

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PROFESSIONAL PROFILE

Aiming to obtain cooperative education position in the design, development, or maintenance of computing system and software or hardware products. Excellent time management skills. Works effectively with team members. **Available** Full-time 2019 and Spring 2019

EDUCATION

Rochester Institute of Technology, M.S. Software Engineering

GPA: 3.78/4.00

May 2019

Scholarship awarded for Grad. Software Engineer

Scholarship awarded for Grad. Assistant with Department of Software Engineering

SKILLSETS

Programming Languages: Java, C++, C#, Python/Django, Go, JavaScript

Web Technologies: JS, jQuery, JSON, Node, Azure, Docker

Database: Oracle (SQL, PLSQL), MySQL MongoDB, H2

PROFESSIONAL EXPERIENCE

Graduate Assistant

Jan 2018 – Present

- Architected Microservices orchestration for autonomous testing on the fly. The orchestration enabled to pin point the location for the failed microservice.
- Analyzed the performance of a self-adaptive system based on response time of the incoming requests.

Tools: Java, C++, Web Simulators

Research Assistant

August 2017 – Dec. 2017

- Analyzed scheduling in a load balancer of a MAPE-K loop in any autonomous system. Orchestrated algorithm to schedule task relative to 'hard real time' in a Real Time Autonomous System.

DevOps Intern (NIIT Technologies Ltd.)

June 2016 – August 2016

- Integrated the java spring framework with the development environment using tomcat server.
- Developed the internal app used by approx. 100 new interns.
- Headed the team of interns working on 'Digital-Transformation' project.

RELEVANT EXPERIENCE

FOOD-o-PEDIA

A restaurant information website on **ASP.NET core 2.0** platform using **MYSQL**. The application allows the members to add in restaurants and view relevant information for available restaurants. Application uses **OAuth integrated on Azure platform**.

CRUD operations supported by the application after authentication. It is **scalable to a production environment using necessary extensions**.

HOME DÉCOR (PROJECT)

Home décor allows users to choose products for home decoration from the catalog and has predefined customizable themes. **The main demographics for the web application are the customers and suppliers**. It has CRUD operations for all the models (user, Supplier and Security).

- Hibernate used for mapping of database with the front-end using JSON

Tools: Java SDK, Eclipse IDE, GitHub version control, UML

Technologies: front end AngularJS, jQuery, JSON **back end:** H2 **server side:** Spring, Hibernate

WEB-CHECKERS (PROJECT)

A Java spark web application that allows users to play a game of checkers. This allows the players to sign in for the session and enter the game with the functionality of forfeiting, backing up moves.

- The real time change happens with the state machine defined in JavaScript and works differently for different states
- The **project** was completed in **4 releases and fully tested** using Junit

Tools: Java SDK, GitHub version control, UML, Junit, JUnit, JUnit for code coverage

Technologies: Spark web Framework, Freemarker template engine, JavaScript (State based)