PARTH D. NAGRAJ

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EDUCATION

University of Massachusetts Amherst
B.S. Computer Science 2020
Relevant Coursework: CS187 Algorithms and Data Structures, CS190D Using Data Structures, CS230 Computer Systems Principles, CS240 Reasoning Under Uncertainty, CS220 Programming Methodology, CS250 Introduction to Computing, CS326 Web Programming, CS328 Mobile Health Sensing, CICS 290M Physical Computing, CS311 Introduction to Algorithms, CS 320 Software Engineering, CS445 Information Systems

EMPLOYMENT

Payfactors
Software QA Engineering Internship · June 2019 to Aug. 2019 · Burlington, MA
Payfactors is a full suite of cloud-based compensation data management tools, built using revolutionary technology. As a member of their QA Automation Engineering team my responsibilities ranged from:
- Designing and implementing code to improve the Payfactors web application as well as creating defined tests adhering to best practices set forth by the team.
- Executing the test automation and perform root cause analysis for failures.
- Designing, writing and testing code utilizing the following tools: Microsoft Visual Studio Code, C#, Selenium Automation Testing, Jenkins Automation Server, MySql Database.

Ultimate Software
Software Engineer on Survey Master · Sept. 2019 to Dec. 2019 · Amherst
Ultimate Software provides Human capital management solutions designed to improve the employee experience by putting people first. Ultimate Software has hired my team and me to create an application named Survey Master, a web interface where managers can create and send surveys to all of their employees. As a member of the Software Engineering team for this project my responsibilities ranged from:
- Designing and implementing code to facilitate the creation of the web application.
- Designing and writing code utilizing the following tools: Javascript, React, Django, MySql.
- Maintaining effective and concise communication with their representative making sure we meet all the requirements they have asked for their application.
- Maintaining effective and concise communication with my co-workers to make sure we are able to properly delegate and complete tasks.

University of Massachusetts Amherst
CS 326 Web Programming Undergraduate Course Assistant · Sept. 2019 to Current · Amherst
As an undergraduate course assistant of a programming class my responsibilities range from:
- Helping students with programming assignments which utilized frameworks, languages and databases such as: HTML, Javascript, CSS, MySql, Node.js
- Attending lectures to help with in-class activities
- Responding to student questions (in-person, email, boards, etc.)

PROJECTS

Catch
Sept. 2018 to Dec. 2018
Worked as a Head Programmer of a team to develop a website where pet owners have the ability to connect with pet enthusiasts through an online medium.
- Used HTML, Javascript, and CSS to develop the front end of the site.
- Used Django to set up the Database.
- As the lead programmer, I managed my team and delegated tasks.

Bump It
July 2017 to Sept. 2017
Developed an Android App using Android Studio for mobile devices.
- This android application would provide the user the ability to input multiple social media platforms, such as Snapchat, Twitter, Facebook, etc., on a QR code.
- The user can share their social media information with other users through a QR code.

Ripples
Apr. 2018
As head programmer of my group for the Smith College Hackathon 2018
- Ripples is an interactive art project made in Javascript showcasing the creations of all the contributors of this project.
- Hackathon involved 72 hours of hardcore programming and team building.

Yelp JSON Data Wrangling
Feb. 2018 to Mar. 2018
Developed using Scala programming language and JSON database.
- Project uses JSON files from the Yelp database to display analytics such as the highest rated restaurant, list of restaurants in specified state, restaurant categories and specific ambiance.

CERTIFICATIONS

Oracle Certified Professional, Java SE 8 Programmer
June 2018
An Oracle Certified Professional, Java SE 8 Programmer has validated their Java development skills by answering challenging, real-world, scenario-based questions that measure problem-solving skills using Java code. My digital certificate is displayed on my linkedin.

Oracle Certified Associate, Java SE 8 Programmer
June 2018
An Oracle Certified Associate, Java SE 8 Programmer has demonstrated knowledge of object-oriented concepts, the Java programming language and general knowledge of Java platforms and technologies. My digital certificate is displayed on my LinkedIn.

SKILLS

COMPUTER SCIENCE LANGUAGES: Java, Scala, Python, SQL, HTML, CSS, JavaScript, C, C++, C#
IDE: Eclipse, JUnit, Android Studio, Visual Studio Code
FRAMEWORKS: Selenim, Django, React, Redux, Bootstrap, ASP.NET
METHODOLOGY: Agile, Scrum