Rohan Raja

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An inquisitive self learner, experienced in writing readable, testable and extensible production quality code.
Have a passion for devising and implementing end to end software solutions for solving real world problems.

EDUCATION

IIT KHARAGPUR
Mathematics and Computing
5 year Integrated MSc
Cum. GPA: 7.84/10

SAWAI MAN SINGH SCHOOL
Grad. 2011| Jaipur, India

SKILLS

PROGRAMMING
Favourite:
C# • Python • Ruby • Go
Experience in:
C/C++ • Javascript
Frameworks
React/Redux • Rails • .NET

TOOLS AND UTILITIES
Docker
Draw.io
Test Driven Development
Software Design Patterns

COURSEWORK

GRADUATE
Object Oriented Programming
Operating Systems
Database Systems
Artificial Intelligence
Compiler Design

ACHIEVEMENTS

• **Gold Medal out of 10 IITs** , Inter-IIT
Software Dev Competition
• **Winner out of 20 teams** , Microsoft
Code-Fun-Do Hackathon 2012
• **Captain** , Inter-hall Software Dev
Competition, IIT Kgp, 2015,2016

LINKS

Tech Blog:// **algomuse.com**
LinkedIn:// **rohanraja9**
Github:// **rohanraja**

EXPERIENCE

MICROSOFT | Software Engineer - Dynamics 365
July 2016 – Present | Hyderabad, India (2.5 years)
- As member of a scrum following team, wrote **throughly reviewed, test-driven** code - helped fix critical bugs and implement user stories
- Initiated an effort to replace a critical 3rd party component to a more stable alternative. Collaborated to design a robust interface which facilitated smooth transition to new component.
- Developed a habbit of reading technical books/case studies of similar products - helped in suggesting and implementing solutions to long time un-addressed **reliability/testability/extensibiltiy issues** .
- Worked extensively on side projects which were aimed at improving development productivity and team collaboration (See Projects)

DREAMWORKS ANIMATION | Software Engineering Intern
May 2015 – July 2015 | Bangalore, India (2 months)
- Fixed bugs, added features to a company internal Angular/Python/MongoDB webapp.
- Developed from scratch a Python/AngularJS web application being test driven.

BRIGHAM YOUNG UNIVERSITY | Research Assistant
May 2014 – July 2014 | Provo, Utah, USA (2 months)
- Added new features to a Javascript front end app in ExtJS/OpenLayers.
- Refactored a C# GUI app to an Object Oriented Design making the code DRYer.

UNIVERSITI MALAYSIA SARAWAK | Web Developer Intern
June 2013 – July 2013 | Sarawak, Malaysia (1 month)
- Redesigned a web UI using Bootstrap and got positive feedback on its usability.
- Developed an api server in PHP/MySQL along with a user authetication service.

PROJECTS

Test Monster - Web Based Automated Testing Framework
2018 - Ruby on Rails, React/Redux, Cucumber
To improve test coverage and promote TDD within my team - developed a centralized system which simplifyed the process of authoring and running test cases. Significantly faster execution of test cases by distributing execution to multiple machines

Codevines - Web Based Time Travel Debugger
2018 - C#, Ruby on Rails, React, Redux
A tool to speed up code ramp up process by enabling new developers to debug code execution over a web interface, all without setting up any dev environment. This works by recording code execution by running the application and providing a web interface to play the recording.

Sub-Image matching based UI Test Automator
2017 - C#, OpenCV
For performing UI actions in an automated system test, developed a plugin based on a novel method of matching and finding location of a known image in a Window screenshot. This method solves the issue performing automated actions on UI elements that cannot be accessed by Automation ID (of Win32 GUI System)