

Rishant Agarwal

SOFTWARE ENGINEER · WEB DEVELOPMENT

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"I am looking forward to work in a healthy growing environment as a Full Stack Developer , where i could work on multiple technology stacks and provide useful inputs in building the product."

Profile Summary

Full Stack Web Developer with 3 years of Professional Experience. Having extensive experience in Software Development Life Cycle from creating High Level desgins to implementation and support along with skills like continous Integration, Agile Development,SCRUM . I have special interest in Javascript technologies.

Experience

HIKARI TSUSHIN Inc.

Tokyo,Japan

SOFTWARE ENGINEER(FULL STACK DEVELOPER) & TECHNICAL LEAD

Nov. 2014 - Present

1. Project Management System
 - Developed a Management System using Salesforce, VisualForce and Apex to help in Project Development.
 - Project can be broken down into smaller tasks with individual tracking for each task.
 - Project components include Project Dashboard, Tasks Dashboard.
 - Option to punch number of hours spent doing individual tasks.
 - Automatic WBS generation for each task and project.
2. GPS Tracking Hybrid App
 - Built an IOS app for tracking Salesman location
 - Used Ionic Framework and above developed API framework for it.
 - Created a Ionic Marketplace Starter App while developing it .
 - Used Cordova background Geolocation Tracking Plugin for it
3. Rest API Development
 - Used NodeJS and Express Framework for developing it along with MySQL Database.
 - Project was developed according to REST Standards.
 - Introduced API based approach into the company with the Project
4. Automated Project Deployment System
 - Developed an automated system which compiles, builds and deploys projects across servers.
 - Project was built using Jenkins and Shell scripting was used for the purpose.
 - Automated archives of Build and Deployment logs were maintained
 - Developed system made the system faster and effective compared to previous method of manual deployment, making it safe from human errors.
5. Maintenance of JAVA Applications
 - Development of Web Applications using JAVA, Spring MVC, Hibernate and Oracle Database
 - Improvement of exisiting features.
 - Development of Frontend Code using JS
 - Algorithm designing to solve problems
6. Appointment Management System
 - Developed a system to manage appointment data using PHP, FuelPHP MVC Framework ,MySQL along with Redis for development
 - Code deployment on AWS
 - Developed using Agile Methodology.
 - Development of Frontend Code using JS, JQuery.
 - Algorithm designing to solve problems
 - Setup & Management of Internal Test and Staging Servers along with Jenkins for Continous Integration.
 - Also developed API's
7. Implementation of SSL Certificate on Servers
 - Implemented SSL certificates on company's servers.
 - Made scripts to automate the Process.

ZOMATO

SOFTWARE ENGINEER TRAINEE

Gurugram, India

July 2014 - Aug 2014

- Company provides an online Portal to search for restaurants, across 22 countries
- Among top 25 most promising Internet companies in India according to 2010 survey
- Developed tools for Data Management and Classification
- Server side code was written in PHP and frontend was developed using HTML, CSS, JavaScript

BLUE JEANS NETWORKS

SOFTWARE ENGINEER TRAINEE [QA & AUTOMATION]

Bangalore, India

Jan 2014 - June 2014

- Company provides enterprise based video conferencing solutions.
- Worked as member of Automated Web Application testing team.
- Developed testing code using Selenium API's, Java and JavaScript.
- Developed new kind of test cases which involved making SIP calls and HTML5 canvas based Video Frames Processing.
- Deployed clusters of Servers for faster Testing using Jenkins.
- Used Jenkins for automated Testing.
- Won company's internal Hackathon, project developed has been integrated into the company's main product

NALCO

SOFTWARE ENGINEER TRAINEE

Bhubaneswar, India

June 2012 - July 2012

- India based manufacturer and distributor of aluminum products.
- Studied about implementation of SA 8000 standard in Corporate Companies.
- Identified a need for automated System, developed an Intranet Portal for the company, leading a team of 3, which optimized internal processes by around 10%.

Academic & Personal Projects

Academic Projects

BITS Pilani

1. CTF Ethical Hacking Contest Platform
 - An Online Web based Hacking Competition developed for Educational purpose.
 - Introduced the Capture the Flag Style Security Contests in College.
 - Vulnerabilities were planted at specific locations in the website which needed to be discovered to move to next levels.
 - Received a nice response, worked well and was used by more than 200 people at a time.
 - Developed in a team of 4, using LAMP stack.
 - Application was used by more than 500 contestants at the same time, used Load Balancers to manage the loads.
2. Intelligent e-Healthcare System
 - Cloud Based System to provide medical guidance to people using SMS and Web Services.
 - Deployed on Google App Engine, used Twilio API's for SMS.
 - Developed in a team of 4 using Python.
 - Developed portal for Data Acquisition and updating code from records. Worked with a team of local doctors for feedback.
3. Emergency Response System
 - Developed a system to detect location of a victim and alert the nearby medical services or other users of the application to assist the victim and help him out.
 - Developed mainly using Google Maps API.
 - Was deployed on App Engine.
4. Time Table Generator
 - Artificial Intelligence based Time Table Generation System
 - Used Genetic Algorithm along with Heuristics to generate Timetables for University subject to constraints.
 - Developed in a team of 3.
5. Compiler Construction for Toy Language
 - Implemented a toy compiler for x86 architecture as a part of the course – Structures of Programming Languages.
 - Focused on Lexical Analysis, Semantic Analysis.
6. Document Management Database System
 - Implemented File Management system in Mongo DB.
 - User Interface developed using PHP, JS and HTML.
 - Developed in a team of 3.

Hobby Projects

1. Anonymous E-Mailing Service
 - Developed a PHP Application using Google Cloud Engine & API's.
 - Application generates infinite Email-IDs to be used anywhere.
 - UI is under development using Material Design and React JS.
 - Helps avoid SPAM.
 - Deployed on Google App Engine.
2. Collaborative Sketching Application
 - Developed a Toy Application on which multiple users can draw together on the same canvas and work of everyone shall be visible to everyone.
 - Used Node JS and Socket IO for its development.
 - Used HTML5 Canvas API's along with Vanilla JS for Frontend.

Open Source Contributions

2014 **Joomla!**, Testing Framework
2016 **JS Tips**, Github Repo
2016 **Ionic&Cordova**, Geolocation Plugin

[\[Link1\]](#) [\[Link2\]](#)
[\[Link\]](#)
[\[Link\]](#)

Technical Skills

Programming Languages , JavaScript,NodeJS,Java,PHP,C,VisualForce,Apex

Database Management , MySQL,MongoDB

Operating Systems , Ubuntu, Windows & MacOS

Frameworks & Libraries , ExpressJS,ReactJS,AngularJS,WebSockets,JQuery,FuelPHP,Silex,D3.js
etc.

Tools & Technologies, Git,SVN,BitBucket,Jenkins,JIRA,Gherkin,Cucumber,Gradle,Ant,Shell
Scripting,Regex,Salesforce,Selenium,SSH,XSS,Ajax,API etc

Data Structures & Algorithms, Array,Linked List,Stacks,Queues,Trees,Sorting etc.

Languages, English,Hindi & Japanese

Extracurricular Activity

ISA (Developers' Network of BITS Pilani)

Pilani, India

CORE MEMBER & PRESIDENT AT APOGEE 2013

2012 - 2013

- Apogee - all India inter-collegiate technical festival of BITS Pilani.
- Organized events like Ethical Hacking Contest, Coding Events at BITS and Delhi Colleges, Online Quizzes, First Person 3D Animation Games for students .
- Organized a Hackathon along with Google on Social Theme. Projects developed , were used by various NGO's .
- Mentored projects and also conducted Lectures and Workshops.
- Headed a team of 60 students and all the above events were conducted using softwares made by the team.
- The above experience provided a chance to work with many Intelligent people and provided exposure to multiple technologies.
- Was awarded certificate of appreciation for the work done by Prof-In-Charge.
- Raised funds to run it and managed its financial stability.

BITSAA Cycle Club

Pilani, India

FOUNDER

2011 - 2013

- Started up a club at BITS Pilani.
- Club which aims at providing cycles to the students at very cheap prices.
- My work involved setting up the club, along with developing the Business Model so that club runs profitably.
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NSS, BITS Pilani

Pilani, India

WEB MASTER

2011-2013

- Maintaining Website, Forums, Social network pages for the organization.
- Was awarded certificate of appreciation by Prof-in-charge.

Achievements & Certifications

2010	IIT-JEE , Got 7277 AIR out of 0.47 Million Students	Top 1.5%
2010	AIEEE , Got 9580 out of 1.1 Million Students	Top 0.8%
2010	UP-SEE , Got 1550 out of 0.3 Million Students	Top 0.5%
2013	InCTF 2013 , Made it to the finals.	Top 10 teams
2014	Blue Jeans Networks , Won Hackathon at BJN.	Team Leader
2014	Oracle Certified Java Programmer , Passed the exam	Java Developer
2014	G.A.I.T. , Passed the exam with Bronze Category	IT Professional

Education

BITS Pilani(Birla Institute of Technology and Science)

Pilani, Rajasthan, India

M.Sc.(TECH) IN INFORMATION SYSTEMS

2010 - 2014

- Elected as Tech Lead for IT Branch, monitoring all IT related events which happened on campus.
- Started up a company providing cycles to students at cheap rates
- Made it to finals of InCTF 2013

Central Board of Secondary Education

Bareilly, Uttar Pradesh, India

BISHOP CONRAD SCHOOL

2007 - 2009

- Scored 90% in Class XII with major in Physics, Chemistry, Maths & Computers
- Scored 87% in Class X