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# RAHUL VIRPARA

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## EMPLOYMENT

<b>Senior Software Engineer</b>	<b>Nividous Software Solutions, Ahmedabad, India</b>	<b>Dec 2018 - Present</b>
• Developed RESTful web services in Spring Framework for the RPA task orchestration portal. (Java, Spring, JPA, Hibernate)		
• Developed solution to extract data from scanned images through OCR, and from textual PDF through regular expressions.		
• Implemented TDD practice by creating test cases for all the product libraries and mentoring colleagues.		
• Core team member responsible to review code of the new libraries developed for the RPA Product.		
• Mentored new team members with training and helped them get up to the speed in development.		
<b>Software Engineer</b>	<b>Nividous Software Solutions, Ahmedabad, India</b>	<b>Dec 2014 – Dec 2018</b>
• Reduced delay to kick off RPA process from 1 minute to 1 second by porting RPA bot server to Python.		
• Developed various libraries to work with Excel, CSV, PDF and archive files, to access emails, Google APIs, Amazon S3 service, and desktop automation, which are building blocks of RPA product. (Python)		
• Made it easy for the team to query proprietary database by introducing Squirrel.		
• Created build project generator tool to automate the boring task of creating Savvion build projects manually. It required creating XML files based on the file structure of the project for the build tool to be able to generate a package for deployment.		
• Implemented Single sign-on for Savvion portal. (Java)		
• Implemented Jenkins for automatic build.		
• Gathered requirements, prepared technical design document, and designed workflow of various mortgage business processes in Savvion BPM. Created task forms and dashboard user interfaces in Bootstrap, jQuery and Angular. Developed backend services in Java.		
<b>Freelancer</b>		<b>Oct 2013 - Dec 2014</b>
• Built a bot to perform repetitive tasks to gain valuable or rare resources in a popular android game using image-based automation; Added ability to run on two emulator instances at the same time to utilize the gap between actions. (AutoHotKey)		
• Built a replacement for windows switcher (alt-tab) with two different interface designs. It allowed users to access the frequently accessed windows quickly. (Java, Swing, JNA)		

## EDUCATION

- Bachelor of Engineering in Information & Technology, Gujarat Technological University, Year: 2013, CGPA: **6.91**
- XII, H.S.C., Gujarat State Board, Year: 2009 - **60.20 %**
- X, S.S.C., Gujarat State Board, Year: 2007 - **63.23 %**

## TECHNICAL EXPERIENCE

### Projects

- **Make Apk Movable** (2016): A utility to make any Android application movable to memory card. (Java)
- **Bitrate Calc** (2013): An optimal bitrate calculator for encoding videos with x264 video encoder to achieve better quality with less file size. (Java)
- **Linux Distro with Custom Desktop Environment** (2013): A full-fledged Linux distribution built from scratch with utilities Translator, Site grabber and featured a custom boot screen. (C, Python, Plymouth)

## TECHNICAL SKILLS

- **Programming Language:** Java, Python, JavaScript, SQL
- **Technology:** Spring Framework, Spring MVC, Spring Boot, Hibernate, JPA, Servlets, JSP, JUnit, JDBC, jQuery, Angular, Bootstrap, Flask, git, SVN, Maven, Regex, HTML, CSS