

**SANGEETHA GOPALAN**[sangeethagopalan16@gmail.com](mailto:sangeethagopalan16@gmail.com)

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**Education****B. Tech IT** with **8.73 CGPA** in Sri Krishna College of Engineering and Technology, Coimbatore.**Technical Skills**

<b>Languages</b>	Java, PHP, Python
<b>Back-end</b>	RESTful web services, Spring, Spring Boot, Hibernate, SQL, Pusher, MapReduce
<b>Application Servers</b>	Jboss, Tomcat
<b>Database</b>	PostgreSQL, MySQL, Mongo DB, Solr
<b>Others</b>	Design patterns, AWS - SQS, SES, RDS, S3, EC2, Zookeeper, Maven, Git, Wordpress, Rundeck, LDAP, Hazelcast

**Work Experience****Tata Health, Bangalore - Senior Associate (Developer) - May 2018 - Present**

<b>EMR</b>	<ul style="list-style-type: none"><li>Create and maintain <b>100+</b> high performance <b>RESTful web services</b></li><li>Web services <b>security</b> improvements and <b>database encryption</b></li><li><b>Quick analysis</b> and <b>hot-fixes</b> of <b>production and customer issues</b></li><li><b>Optimized</b> 15+ poor performing backend APIs</li><li>Implemented <b>Authorization and Authentication filters</b> for Security</li></ul>
<b>Consumer Application</b>	<ul style="list-style-type: none"><li><b>Modules Developed:</b> Consumer Logger, Consumer OnBoarding, Nutrition</li><li>Handle production push and On call support</li><li>Worked on <b>Security</b> improvements both on application and server side</li></ul>
<b>Pharmacy</b>	<ul style="list-style-type: none"><li>Built an E-Pharmacy service that provides consumer's easier access to buy medicines online</li><li>Integration with multiple pharmacy vendors to handle the online orders</li><li>Developed a script to upload medicines data from the vendors.</li></ul>
<b>Emr Recommendation</b>	<ul style="list-style-type: none"><li>Developed a recommendation engine that aims at suggesting the frequently used consultation data like medicines, symptoms, diagnosis, etc based on doctor's usage history using the <b>map-reduce</b> techniques</li></ul>
<b>Notification System</b>	<ul style="list-style-type: none"><li>Built a communication system to send sms, email and push notifications to consumers and doctors</li><li>Integration with <b>Gupshup</b> for sms, <b>AWS-SES</b> for email and <b>firebase</b> for push notifications.</li><li>Queue implementation using the <b>AWS-SQS</b> to send notifications and handle failures.</li></ul>
<b>Scheduler</b>	<ul style="list-style-type: none"><li>Designed and developed a Scheduler microservice using the <b>quartz</b> scheduling framework</li><li>This will handle the real-time scheduling as well as the batch jobs for the entire Tata Health Applications</li></ul>

**Tata Health, Bangalore - Associate (Programmer) - June 2016 - May 2018**

<b>EMR</b>	<ul style="list-style-type: none"><li>Creation and maintenance of <b>50+</b> high performance <b>RESTful web services</b></li><li>Enhanced <b>performance and functionality of 30+ RESTful web services</b></li><li>Worked on <b>PDF generation</b> using <b>itext</b> pdf</li><li><b>Spring web service migration</b> for 2 major modules</li><li>Developed multiple web services for Flexi-EMR - light version of EMR app</li></ul>
<b>Consumer Blog</b>	<ul style="list-style-type: none"><li>Developed the <b>Health Articles Blog</b> for consumer application using <b>Wordpress</b></li><li><b>Single Sign On</b> integration with the consumer application</li></ul>

**Tata Health, Bangalore - Technical intern - February 2016 - June 2016**

<b>EMR</b>	<ul style="list-style-type: none"><li>Developed <b>MultiTenant DB Tool</b> - Internal tool to handle the db changes across multiple tenant databases</li><li>Wrote multiple utility tools for report generation and sms usage alerts</li><li>Received job offer for giving outstanding performance during internship</li></ul>
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**Recognitions**

<b>Achievements</b>	<ul style="list-style-type: none"><li>Received AppLaudz award in Tata Digital Health for Security and Production Push ownership</li><li>Won Excellence award in Tata Digital Health for Multitasking and efficiency</li></ul>
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