

Himavanth Boddu

Software Engineer with 2+ years of full-stack experience in all stages of the software life cycle from design, development to maintenance.

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EDUCATION

Master of Science in Computer Science, <i>University of Florida, FL</i>	GPA: 3.81/4	Aug 2019 - May 2021
Bachelor of Engineering in Electronics, <i>RCOEM, India</i>	GPA: 8.12/10	Jun 2013 - May 2017
<i>Relevant Courses:</i> Analysis of Algorithms, Advanced Data Structures, Distributed Operating Systems, Object-oriented Programming, Computer Networks, Advanced Machine Learning		

TECHNICAL SKILLS

- **Programming and Databases:** Java, Python, Elixir, Oracle DB, MySQL, MongoDB
- **Web development :** HTML, CSS, Bootstrap, JSON, XML, JSP, jQuery, NodeJS, ReactJS, Express, AngularJS, REST API, GraphQL
- **Other:** Git, Docker, Linux, UNIX, Spring Boot, Shell Scripting, Tortoise SVN, Hibernate, JBoss, Django, JIRA, Apache Tomcat, AWS Services, JUnit, Jenkins, Maven, Agile Methodology, debugging, requirement analysis, testing, deployment, and support.

PROFESSIONAL WORK EXPERIENCE

Systems Engineer, Infosys Limited, India Jun 2017 - Jul 2019
Worked on the E-Banking Application of the client Bank of the West providing **front-end and back-end customizations** according to the client requirement.

- **Owned the Transaction information and Reports module** of the Bank user application.
- Coordinated daily with QA team to identify frequent defects in previous releases and fixed issues in key modules **reducing the reported defects by 60%**.
- Took the initiative to automate the deployment process by building a CI/CD pipeline **optimizing the process performance by 98%**.
- **Mentored 6 peers and 8 new team members** through knowledge transfer sessions about the technology stack.
- Received over **95% client satisfaction** rating consistently for every quarter.

Technologies and skills used: *Java, Python, J2EE, Spring Boot, JSP, HTML5, CSS3, JavaScript, AngularJS, jQuery, REST API, PolymerJS, JIRA, Junit, Oracle11g, MySQL, Docker, Jenkins, ANT, Maven, Shell Scripting*

ACADEMIC AND PERSONAL PROJECTS

Movie Recommender based on Ratings (Vue, Python, REST API, scikit-learn) Jan 2021 - Mar 2021

- Created a Movie recommender using collaborative filtering over 100,000 movie ratings and **displayed the results < 200ms**.

Peer-to-Peer File Sharing Application (Java, Object-oriented design, Multithreading, Data Structures) Sep 2020 - Nov 2020

- Coded an application similar to BitTorrent that shared files to 10 remote machines through TCP connections regulated by choke/unchoke mechanisms using socket programming.

News Aggregator (JavaScript, jQuery, REST API) Aug 2020 - Sep 2020

- Made a one-stop site for getting the top headlines from India and US news sources and on-click redirects to the original article.

Book Tracker (React.js, Node.js, Express, MongoDB, JavaScript, GraphQL) Jul 2020 - Aug 2020

- Personal application to show the details of books read by me and other books of the same author with a single API call.

E-Commerce Website (React.js, Node.js, Express, JavaScript, Stripe, Firebase) Jun 2020 - Jul 2020

- As a personal project developed a fully functioning retail website with product searching and payments integration.

Scalable Elixir Projects (Elixir, JavaScript, Phoenix, SOAP) Sep 2019 - Dec 2019

- Built a scalable **Twitter-like application** that **supports over 10,000 multiple users simultaneously** with a live feed for current tweets.
- Implemented a **fault-tolerant epidemic spread** of gossip message using different topologies and scaled it to **handle up to 500,000 nodes**.
- Designed a simple object access service to simulate the working of **Tapestry protocol compatible for up to 10,000 nodes**.

Infy Clothing (Java, REST API, HTML, CSS, Bootstrap, JavaScript, AngularJS) Oct 2017 - Nov 2017

- Spearheaded a team of 4 to create an application using REST API endpoints from Infy Retail application implementing login, dashboard, filter functionality, item modal, and similar item suggestion based on previous purchases.

ACHIEVEMENTS

- Emerged as a high performer in full-stack development training by being in the **top 5% percentile** of over 700 Systems Engineers joined in June 2017.
- Awarded the Achievement Award Scholarship for New Engineering Graduate Students for outstanding credentials by the University of Florida, Herbert Wertheim College of Engineering.