

Parth Bhodia

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Links: [Linkedin](#) — [Portfolio](#) — [Github](#)

SUMMARY

- **3 years of profesional experience at Tata Comm. Ltd.** with 3 months of Internship at Eccalon LLC.
- **Extensively worked on SDLC stages** requirements analysis, detail design, coding, testing, code rework and deployment.
- **Seeking an opportunity for Software Engineer role. Have an in-depth knowledge of:** Data structures and algorithms, Databases, and Full-Stack Web Development

EDUCATION

- **University of Maryland, Baltimore County** Maryland, US
Masters of Science in Computer Science; GPA: 3.56 *Aug. 2021 - May 2023*

SKILLS SUMMARY

- **Languages** Python, PHP, JavaScript, SQL, Java
- **Frameworks** SpringBoot, React Js, Vue Js, Django, Flask, NodeJs, LAMP, FAST API, RESTfull services.
- **Tools** Docker, GIT, AWS

EXPERIENCE

- **Eccalon Technologies LLC** Remote
Software Developer Intern (full-time) *June 2022 - Present*
 - **Built a Notification Alert system** using React Js and Redux which notifies 1000+ users of upcoming games within 7 days.
 - **Enhanced the client webpage** by resolving bugs on the application.
 - **Developed a video in video feature for the client from scratch** with Vue Js library which resembles Netflix like features.
- **Tata Communications, LTD** Remote
Software Engineer (Full-time) *July 2018 - May 2021*
 - **Designed and developed dashboard** to track Application Usage and Users activity for 5000+ users by writing multiple SQL Queries to create custom authentication and authorization using Django and MySQL.
 - **Worked directly with Director to develop a Back-Bone Cost Map of Tatas POPs** to find the Shortest Hops of TATA's POPs by considering latency and distance available from POPs Sites to the Customer's location using BFS Algorithm which helped the sales team to close on deals efficiently and increase APAC region revenue YOY by 40% - Received TATA's Global Recognition award for excellence.
 - **Developed a Network diagram tool** using d3.js library with React.js to visualize the ASNs upstreams and downstream from the routing table to help streamline the data with statistics analysis. This information helped speed up day-to-day tasks by 60%.
 - **Involved In:** Agile Methodologies, (SDLC), Github, Python, Shell Scripts, D3.Js, SQL, Tableau, React Js, PowerBI, AWS: Lambda, S3 Buckets, EC2
- **Lakshya Infotech.** On-Site
Web Developer Intern (Part-time) *Jan 2017 - Mar 2017*
 - **Gathered requirements and implemented** them into existing code base that was developed in Django using MVC pattern
 - **Enhanced webpages with 20%** faster info retrieval and provided real-time warehouse stock info to customers, helped to debug JavaScript codes using various debugging tools and practices hence increasing customer retention by 25%.
 - **Involved In:** MERN stack, Mongo DB, Django, MVC, SQL, Node Js, CSS, HTML, JavaScript, jQuery, GitHub

PROJECTS

- **Uber like Ride Sharing Management System (PL/SQL, Oracle)** (Aug. 2021 – Oct. 2021)
 - Created a relational database which stored the records of all ride details, reviews, transactions and bookings done by the passengers.
 - Executed triggers, CTEs, UDF, stored procedures, cursors and exception handling to improve the performance time of the system by 2 minutes
- **Covid-19 Dashboard (Search Engine, Web Crawlers, Multimedia Processing)** (October '21)
Built an interactive Dashboard with graphs to assess impact of Novel Coronavirus on America specifically using Modern React Development with React and React Context API for State Management handling data in real time.
- **Covid Plasma Donor Finder(React JS, AWS, Lambda, Node JS, Python3, InfluxDB)** (Nov 2020 – Feb. 2021)
 - Released a website to locate available plasma Donors on a map while 100 Users have found donors so far through the site, which was recognised under top 100 Bharat Health Innovation Technologies 2020.
 - Designed and implemented web-tier and backend storage (both MySQL and HBase) architecture to fulfill performance requirement (25K QPS) under tight budget (\$0.83/hour)

RESEARCH

- **University of Maryland, Baltimore County** On-Site
Research Assistant (Part-time) *Jan 2022 - Present*
 - **Collaborated on GIS Based visualisation of enemies coordinates in real-time using loosely coupled micro services and showed it on Kibana visulazation tool** which helped the command control unit reducing action time from 2o minutes to 10 seconds.