

# Antarpreet Singh

Project Engineer

## Work Experience

### Wipro Ltd – Full Stack Developer

[MERN Stack, PostgreSQL, AWS, Grafana, SonarQube, Nexus, Docker]

Sept 2022 – Ongoing  
Bangalore, India

- Developed robust web applications using **MERN + PostgreSQL** and **integrated RESTFUL APIs**.
- Designed and implemented a dynamic Productivity Dashboard featuring interactive tabs for data management and visualization from 10+ tools, **boosting team efficiency by 40% and reducing data analysis time by 50 hours monthly**.
- Developed a comprehensive dashboard integrating **GitLab, Jira, SonarQube, and NexusIQ**, presenting team data in a **graphical format** to enhance visibility and streamline analysis.
- Created a Service Health Dashboard to **monitor tool usage** across teams, highlighting availability, downtime, and periods of inactivity to optimize costs. Added widgets to display open P1, P2, and CRs directly within the dashboard.
- Engineered responsive user interfaces (UI) using **React's media queries**, achieving a seamless experience across **5+ device** types including desktops and tablets; facilitated smoother navigation for over **10,000 monthly users**.
- Built a secure user authentication system utilizing **JWT (JSON Web Token)** for access control, and applied authorization logic to manage user access based on roles and permissions.
- Contributed to stable application development by implementing thorough **unit tests** for both front-end and back-end components using frameworks like **Jest and Mocha**, ensuring comprehensive coverage and early issue identification.
- Implemented **Agile methodologies** to enhance project adaptability and deliver continuous value through iterative development and regular stakeholder collaboration.

### Great Learning – Software Developer Intern

[MERN Stack, OOP's, C++, Microservices, Authentication]

Apr 2022 – Jun 2022  
Bangalore, India

- Learned Agile methodology while collaborating with a team to develop solutions from inception to completion. This involved various stages such as **Figma design, ER model creation, Swagger APIs**, and ultimately coding.
- Worked with the team and learned the concepts of Oops in C++ and MERN Stack.

## Education

### Punjab Technical University

BTECH - CSE, 8.29 CGPA

Kapurthala, India  
Aug 2018 – Aug 2022

### HVM Convent School

Class XII (CBSE), 70%

Ludhiana, India  
Mar 2016 – Mar 2017

### HVM Day Boarding School

Class X (PSEB), 83.69%

Ludhiana, India  
Mar 2014 – Mar 2015

## Certifications

|                     |  |           |
|---------------------|--|-----------|
| Great Learning      | MERN FullStack Intern                        | Sept 2022 |
| Infosys Springboard | Ultimate Python3 Bootcamp                    | Aug 2022  |
| Amazon              | AWS Certified Solutions Architect- Associate | Mar 2024  |
| Wipro               | Generative AI                                | Aug 2023  |
| PrepInsta           | C and C++ NanoDegree                         | Mar 2021  |

## Key skills

|                  |  |
|------------------|--|
| Languages        | C, C++, HTML, CSS, JavaScript, Python, SQL   |
| Frameworks/Tools | React JS, Node JS, Express JS, MongoDB, PostgreSQL, Docker, Kubernetes, Grafana, Figma, Mocha, Jest, AWS Cloud, GIT, SonarQube, Nexus, GitLab, Microsoft Excel |
| Technical Skills | Internet of Things, OOP's, Operating System, Unit Testing, Computer Networks, DBMS   |

## Achievements / Position of Responsibility

- Lead a team during my internship, effectively managing all members and securing second place in the final deliverable.
- Achieved a remarkable 97% score in my Mern batch internship.
- Served as a head of a poetry club at my college.
- Acted as a class representative in college, leading team initiatives and effectively managing group projects.