



# Shubham Narkhede

SOFTWARE ENGINEER

## Details

Winkler Straße 10

Ulm, 89073

Germany

+49 171 510 8059

[shubhampnarkhede@gmail.com](mailto:shubhampnarkhede@gmail.com)

NATIONALITY

Indian

DATE / PLACE OF BIRTH

13/05/1996

Ballarshah, Maharashtra, India

## Links

[www.shubhamnarkhede.com](http://www.shubhamnarkhede.com)

[GitHub](#)

[LinkedIn](#)

[Xing](#)

[Twitter](#)

[Discord](#)

[Facebook](#)

[Instagram](#)

[WhatsApp](#)

## Skills

Angular + ReactJS + NextJS

JavaScript + TypeScript

MongoDB + MySQL + SQL

Rest api + GraphQL + JSON api

HTML + CSS + SCSS + SASS

Flutter + Dart + Kotlin

Node.js , ASP.NET

Python + Java

## Profile

I consider myself to be a genuinely persistent person who is always eager to learn and apply new technology to various field.

- Strong programming and design abilities, as well as a deep understanding of techniques with a range of new technologies. I've worked in the areas of event and project management, **system integration** and DevOps (CI/CD), automation, **cloud technologies**, sales and business-oriented software applications development.
- **Key Skills:** Quality Assurance, Analytical Thinker, Internal Auditing Experience, Relationship Management, Faultless Attention to Details, Advanced Communication Skills.

## Employment History

### Software Engineer Work-Student, Bosch Rexroth AG, 89081 Ulm

MARCH 2021 – MARCH 2022

- Created Video Streaming Platform(VSP), Private & Global Chat for Sales & Distribution, After Sales Service and Mobile Hydraulics Departments. This tool is developed in Angular11, NodeJS, TypeScript, LAMP Stack Server, PHP, MySQL, Bootstrap and SCSS.
- Designed Virtual Conference Platform for sales & service department which launched for different events and assessed by nearly six hundred people external and internally.
- Worked on Smart Project Management(SPM) with new additional features such as Content Management, Prototype Delivery, Stock Management, Global Material Planning, Testing, Deployment of SPM Version 2.0.0 and Version 3.0.0 in global level.
- Implemented Global Authentication, Firewall, Single-Sign-On, One Time Password(OTP), access roles with different user dashboard, established the direct link between Sales unit, Solution partners.
- Audited security, customer data, testing of functionality, training and technical support to engineers worldwide.

### Software Developer Intern, Bosch Rexroth AG, 89081 Ulm

SEPTEMBER 2020 – MARCH 2021

- Developed prototype of Smart Project Management(SPM), by analyzing market requirements, marketing tools designs, architect and technologies, verification of features and functionalities.
- The tool is developed to establish direct link in between sales and end customer, which will help engineers to support quickly with available data. Decided to develop in Angular 9, Typescript, NodeJS, PHP, MySQL by using LAMP Stack Server.
- Launched SPM Beta Version 1.0.0 on 11th December 2020 for testing, in Global Partner Conference. Analyzed feedback's and requirements of users and modified the applications with new features.
- During my internship period, I was personally guided by Director **Mr. Edgar Koepplin**[DC-MH/SDI] and supervisor **Mr. Jakob Tempel**[DC-MH/SDI].

### Web Developer Intern & Student Trainee, Nagpur, India

SEPTEMBER 2016 – FEBRUARY 2018

- **Paarsh Touch Software Solutions, Nagpur, India.**[Bachelor Thesis - XHTML, CSS3, Java 8 JSP, Java Development Kit(JDK), API and JSON Connectivity.]
- **IT-Networkz Infosystems Pvt. Ltd. Nagpur, India.** [Internship - HTML5, CSS3, JavaScript, Java, Glass-fish server, JDBC, and Eclipse IDE.]

Bootstrap + jQuery

C, C++, C# & OOPs

GitHub + DevOps, BitBucket

PHP, Spring Boot

Figma, Adobe XD and Canva

AZURE, AWS & Data Structure

WordPress and Webflow

Jira + Confluence

Hosting, Deploying and Analysis

CI/CD Frameworks

Machine Learning + Deep Learning

System Design & Architect

ATS & CRM Software

Agile Software Development

Quality Assurance

System Integration & Build

Application Support

Full-Stack Web Development

Microsoft Office 2021

LaTeX, OpenCV

Firebase, Authentication

Adobe Photoshop

Visual Studio Code Editor

## Languages

German

English

Hindi

Marathi

Sanskrit

- **Paarsh Touch Software Solutions, Nagpur, India.**[Internship - Java Development, Servlet Application, JDBC, Tomcat Server, Hosting, Firebase, Database management]

## Education

### M.Sc. Automotive Software Engineering, Technische Universität Chemnitz, 09111, Chemnitz

OCTOBER 2018 – MAY 2022

- **Major Courses:** Software Service Engineering, Artificial Intelligence, Empirical Software Engineering, Machine Learning, Software Platforms for Automotive Systems, Multicore Programming, Computer Vision, H/S Codesign - I, Formal Specification and Verification.
- **Lab Courses:** Electronic Controller Unit(ECU) Programming and Communication, JAVA programming, Machine Learning Programming, REST.

### B.Tech. Computer Science and Engineering, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, India

JUNE 2014 – MAY 2018

- **Major Courses:** Artificial Intelligence, Computer Organization and Architecture, Digital Circuits and Fundamental Microprocessors, Design Analysis and Algorithm, TCP/IP, Mobile Computing.
- **Lab Courses:** Data Warehousing & Mining, Distributed Operating Systems, Information & Cyber Security, Design Patterns, Computer Network, Object-Oriented Programming(OOPs).

## Thesis

### Master Thesis: Development of an Automotive System Selector of Mobile Machinery for Bosch Rexroth Sales Partner based on Azure Cloud Technology, Bosch Rexroth AG, 89081, Ulm

- Developed a Centralized Business Application which helps engineers with Customer Relationship management(CRM), IT Service Management, Management Information System(MIS), Content Management(CM) with the help of Mobile Back-end as a Service(MBaaS).
- Technologies used ReactJS, **MongoDB**, Power Bi Analytic, **DevOps**, Restful APIs, Pipeline, NodeJS, **CI/CD** and **AZURE** Cloud hosting and deployment services.
- This tool will automate the manual process into computerized by studying large sets of project records and assist engineers to generate complete machine with materials suggestions. This tool will increase the efficiency, reduced timestamp of processes, and bring profit in Sales division of Bosch Rexroth AG.

### Bachelor Thesis: Personalization of Search Engine by Using Server-Side Cache Based Approach, Rastrasant Tukadoji Maharaj Nagpur University, Maharashtra, India

- Developed a web search engine indexer for ranking the results retrieved from WWW. URL ranking proposed for personalized user-based results using the concept of cloud cache.
- Created front end by using XHTML, CSS3, Java JSP., JDK for Java development. Web services and APIs use JSON format to provide public data.
- This search-engine application is provided recommendation results on the basis of your previous search results and mostly search area, so user will get quick results.

## Hobbies & Sports

Content Creation  
Photography  
Reading  
Pencil Sketching  
Singing  
Cooking  
Electronic Trends  
Gaming  
Travelling.

-----  
Badminton  
Table Tennis  
Cricket  
Chess  
Football Table

## Certifications

1. AWS Fundamentals Specialization (Coursera).
2. Getting Started with AWS Machine Learning (Coursera).
3. Introduction to Self-Driving Cars-University of Toronto (Coursera)
4. Introduction to Data Science (IBM)
5. Python 101 for Data Science (IBM)
6. Angular: The Big Picture (Pluralsight)
7. The Advanced ReactJS Course (Pluralsight)
8. The Google Cloud Challenge 2021 - GDG Cloud India (Google)
9. Google Analytics for Beginners(Google)

[Click here to see more Certification](#)

## Journals

**Personalization of Search Engine by Using Server-Side Cache Based Approach, Published in IJFRCSCE Journal, Volume 4, Issue 3, UGC Approved Journal, [www.ijfrcsce.org](http://www.ijfrcsce.org)**

MARCH 2018

**Improving Personalization of Search Engines using Cache Based System. Published in IJFRCSCE Journal, Volume 4, Issue 2, UGC Approved Journal, [www.ijfrcsce.org](http://www.ijfrcsce.org)**

FEBRUARY 2018

## Extra-curricular activities

- Volunteer of [Hochschule SMD Chemnitz](#) and Ulm.
- Contribute with [UNICEF University Group of Chemnitz](#).
- Offered social services with [Rotary Club](#)(social services organization in Nagpur), India.

## References

**Edgar Koepplin [DC-MH/SDI] from Bosch Rexroth AG**

[edgar.koepplin@boschrexroth.de](mailto:edgar.koepplin@boschrexroth.de) | +49(731)49373-221

**Jakob Tempel [DC-MH/SDI] from Bosch Rexroth AG**

[Jakob.Tempel@boschrexroth.de](mailto:Jakob.Tempel@boschrexroth.de) | +49(731)49373-257