

Shubham Sharma

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Education

Harcourt Butler Technical University, Kanpur— B.Tech CSE

August 2016 - May 2019 (65.3%)

Aligarh Muslim University, Aligarh— Diploma in Computer Engineering

August 2013 - May 2016 (79.1%)

SJD Memorial Public School (ICSE Board), Aligarh— High School

April 2010 - March 2012 (85.6%)

Skills

React	★★★★★
Typescript	★★★★★
Docker	★★★★☆
Golang	★★★★☆
Flutter	★★★★☆
Linux	★★★★★
CI/CD	★★★★☆
ASP.Net	★★★★☆
Angular	★★★★☆

Experience & Internship

Vunet Systems (Senior Full Stack Engineer)

Sep 2019 – Present

Grafana and Grafana Plugins

I work on React and Golang to build/customize Grafana and Grafana Plugin. I work on defining code standards, reviewing Code, guiding / unblocking team members. I am continuously working on improving code quality and usability.

OAuth/OIDC

I worked on integrating secure authentication across apps and services using OAuth. We implemented several kinds of authorization flows with multiple client applications.

vuSmartMaps Mobile App

When there was need for launching Mobile App quickly to app store and play store, Company has chosen me to work on the app, I learned flutter, created the app and launched for both iOS and Android platforms within two months, for this I was awarded Q3 Innovator Award.

Mobile Views

I worked on implementing mobile views and a new Login Screen to replace their old code for their product vuSmartMaps using React v14, Redux, RxJs.

Accomplishments

- I won Q2 Award in 2021 for most Innovative person in company.
- I won Q1 Award in 2022 for Teamwork for their new project.
- I was able to develop app within two months when it was needed. I was able to fulfil other customer needs onsite within two days.
- Integrated CI/CD across organization using GitHub Actions.

I took a 6 months break from this company to work on some idea and worked as a freelancer for this company for some time during break.

CubeRoot Edu labs

Jan 2019 – Sep 2019

I developed an education SaaS using Angular, Asp.Net Core. It consisted of multiple portals: Student Portal, Online Test Portal, Test Admin Portal, Admin Portal, Staff Portal. The system was able to scale to handle 6000 MAU (800 Daily AU) on AWS infrastructure.

HBTU ERP

June 2018 – May 2019

During my college time at Harcourt Butler Technical University. I found that my college was using old Pen and Paper approach for multiple processes, So I developed ERP for my college in 50 days I launched it with successful execution. It included student registration, enrollment, admit card, hostel management, schedule management integrated with google calendar, user notification and User management.

Projects

Multi-Tenant Backend— ASP.NET

Created a concept project that achieves table-based multi tenancy and used OAuth. This project can be used to make multi-tenant applications in ASP.NET core. Tenants are resolved by header, tokens, or query parameter.

Loan Calculator (<https://orbi1.azurewebsites.net>) — Angular

This project can help you calculate loan EMI and give you insights with graphs and charts to decide the rate of interest, tenure, and frequency of the loan.

Event Manager— Express JS

This project can be used to list public events and offers an admin dashboard to manage all those events.

WhatsApp Elastic Search— JavaScript, Elastic Search

This project is available on GitHub (whatsapp-elasticsearch), by using this project you can monitor any person's WhatsApp online status using WebSocket Proxy on WhatsApp Web and send that data to elastic search for monitoring and visualization.

Fingerprint based Authentication System— .NET Desktop.

Developed a project that allows a user to be authenticated using fingerprints. Matching speed of this algorithm is 1.5 sec.

Cue Point Based Graphical Authentication System— ASP.NET Framework

Research on "Cue Point Based Graphical Authentication System" and the implementation of the scheme in ASP.NET MVC.

GAPSO— Angular

This project implements a Genetic algorithm for solving travelling salesman problem and displays animation how generations evolve via graph and table. It also displays animated path that salesman should take.

EXTRACURRICULARS

ASCPC— 2018

I was a Member of Alumni Student Connect Program Committee where I took active participation in many activities and events.

Zest Website— 2017

Created a website for Zest (college's annual tech fest) and designed 30+ posters for the fest.

Odyssey Core Designing and Web Team— 2018

Designed posters and website for the annual cultural festival of college.

Placement Brochure— 2018

Designed the placement brochure for HBTU session 2018-19 using Adobe Illustrator.

Achievements & Certifications

Azure Fundamentals Training

Completed One Day Azure AZ-900 training at Microsoft Bangalore Research Center.

Build Facebook Messenger

Completed masterclass on Building Facebook messenger online on Scalar Academy.

2nd place @Web Crafto

Stood second in web development competition in college's annual tech fest.

2nd place @Android app Competition

Built an android app that connects with last.fm API enabling songs to have correct metadata along with features like playing music, playlist creation and favorite songs.

23rd in State Entrance Exam

Scored rank 23 in Uttar Pradesh State Entrance Examination paper 6.

CRUX

Completed course on Data Structures and Algorithms in Java from Coding Blocks Institute. New Delhi.

Hobbies

I am very curious about the Universe and Quantum Physics. I also like doing experiments with raspberry pi and Arduino.