HINA THAKUR

LEAD ENGINEER

CONTACT

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Noida, INDIA

thakurhina89@yahoo.com

11 Years 0 Month of experience

EDUCATION

2010
MCA - Computers
mpct
Grade - 70%

2014
LLB - law
Dr. Bhimrao Ambedkar University (DBRAU) (Formerly Agra University) , Agra
Grade - 58%

2003
XIIth
CBSE, English
Marks - 65-69.9%

2000
Xth
CBSE, English
Marks - 50-54.9%

PROFILE SUMMARY

"Experienced Full-Stack Developer with 11+ years in building scalable web and cloud-based applications using Python (FastAPI, Django), React, Angular, and Azure. Proven success in leading engineering teams, optimizing APIs, and delivering end-to-end solutions for enterprise clients."

I am a proactive learner with a flair for adopting emerging trends addressing industry requirements to achieve organizational objectives s profitability norms. Possess exceptional team spirit thereby helping in easy achievement of organizational s personal goals

WORK EXPERIENCE

2021 – 2025
SEP - JUNE
Lead Engineer
R Systems International

2020 - 2021
NOV – AUG
Technical Lead
KPIT Technologies Ltd.

2018 – 2020
AUG - NOV
Senior Consultant
Virtusa Consulting Services Pvt Ltd

2016 - 2018
SEP – MAY
Senior Software Engineer
Dharne Systems Pvt. Ltd.

2015 - 2016
MAR - JUNE
Software Developer
Cyret Technology

2014 – 2015
FEB - FEB
Software Developer
Logic palace system and software

Key Skills

- Python (Django,Fast)
- **Javascript** (React/Angular/Nodejs)
- **Cloud** (AWS & Azure)
- **Architecture & Design** (Microservice, Event-DriveMVC, Options Pattern)
- **Deployment tools** (Azure Devops, Jenkins, AWS lAMBDA Azure App Service, Azure AKS, Docker)
- **Database** (PostgreSQL,MYSQL, MongoDB)
- **WebServices** (Rest,SOAP)
- **Version Controlling** (GIT,SVN)
- **Cloud Integration Services/ Enterprise service (A**pp Service, Azure API Management Service, Storage service ,DevOps CICD Logic Apps, Azure Data Factories**)**
- **Power Apps**
- **Ai Concepts** (Numpy,Pandas,Matpotlib,ANN,beautifulsoap)

CERTIFICATIONS

- Python certification IIT Rorkee
- Certified Scrum Master(Valid upto 2025)
- Salesforce Certified Javascript Developer Specialist
- Django (DRI)
- Azure solutions Architect Expert

  Valid upto July 2025

- Azure administrator associate (az-104) by Microsoft (Valid upto July 2025)

LANGUAGE

Hindi

English

SOCIAL LINKS
 linkedin.com/in/artificialdatabase

PROJECTS

Teacher Journey (2024 jan to 2025 April)
Renaissance Next keeps teachers at the front of every instructional decision. With powerful insight-driven recommendations at their fingertips, learning is personalized, and the timing from instructional planning to delivery is optimized, so educators can unlock the full potential of the classroom.

My Role: Project lead
Team Size: 14

Responsibilities
- **Led a cross-functional team of 14 members through the complete software development life cycle (SDLC), from planning and design to development, testing, deployment, and production support.**
- **Spearheaded sprint planning, backlog grooming, daily stand-ups, and sprint reviews as part of Agile/Scrum methodology, ensuring timely and quality delivery of all features.**
- **Designed and developed scalable and responsive UI components using Angular, ensuring a seamless and intuitive user experience tailored for educators.**
- **Engineered robust and high-performance RESTful APIs using Python (FastAPI, Pydantic), enabling real-time data access and personalized instructional recommendations.**
- **Integrated Azure Synapse Analytics and Azure Data Factory for advanced data pipeline orchestration, transforming raw data into actionable insights for personalized learning.**
- **workflows.**
- **Architected and deployed cloud-native services on Azure using Kubernetes for auto-scaling, load balancing, and high availability.**

Technology : Javascript , Python(fast API, Pydantic) ÿ, Angular ,Dynmodb,Azure Cloud,PANDAS,Kubernetes, azure synapse,Data Factory, Artificial Neural Network

Student Journey(2024 June to 2025 Mar)
Renaissance Next design a portal for special students where students are able to learn at their own pace, the features like screen readability and accessibility allow the students to understand the subject easily.

My Role: Project lead
Team Size: 14

Responsibilities
- **Spearheaded the end-to-end development of both UI and RESTful API layers, ensuring seamless integration between frontend and backend services.**
- **Collaborated with UX designers and accessibility experts to implement features supporting keyboard navigation, screen readers, and high-contrast modes.**
- **Designed and developed reusable UI components using React.js to promote consistency and maintainability.**
- **Developed scalable APIs using FastAPI and Pydantic for rapid performance and data validation.**
- **Integrated the application with PostgreSQL for data persistence and ensured data integrity through ORM best practices.**
- **Deployed services on Azure Cloud using Kubernetes for high availability and auto-scaling capabilities.**
- **Leveraged Azure Databricks to generate personalized learning insights and performance analytics for students and educators.**
- **Oversaw version control, code reviews, and CI/CD workflows to maintain code quality and development velocity.**

Technology : : Python(fast API Pydantic) , Javascript , Reactjs ,Postgress ,Azure Cloud , Kubernetes ,databricks

Rethink (2023 Jan to 2023 Dec)

The objective of the system was to create a system for a autistic kids where no.of funders are funded the program and staffs were allocated to particular kid. There are many modules like appointment scheduling, diagnosis, availability, Referring providers etc.

My Role: Project lead
Team Size: 20

Responsibilities :
- **Led a 20-member cross-functional team, overseeing end-to-end development, testing, and deployment on Azure Cloud.**
- **Conducted daily Scrum meetings, sprint planning, backlog refinement, and retrospectives to ensure timely delivery.**
- **Designed and developed RESTful APIs using Python (Django) and Node.js, ensuring scalability, security, and performance.**
- **Collaborated with stakeholders to gather requirements, define workflows, and translate them into technical specifications.**
- **Implemented Test-Driven Development (TDD) practices to maintain high code quality and reduce production defects.**
- **Integrated React-based front-end with back-end services, optimizing responsiveness and user experience.**
- **Managed PostgreSQL database design, optimization, and migrations for high-volume data.**
- **Oversaw Azure deployment pipelines, monitoring application performance and ensuring 99.9% uptime.**
- **Mentored team members, conducted code reviews, and enforced best practices for development and documentation.**

Technologies: Python (Django), JavaScript, Node.js, React, PostgreSQL, Azure Cloud, TDD

Carrier Selector (2023 Feb to 2024 April)

The objective of the system was to create a system for a logistic company where no.of shipments are moving using different carrier mode for which discount and surcharge has applied and to track the shipment, there a single or multiple pin is generated for which we have created a layered architecture of Python based API which is synced with Angular frontend.

My Role: Project lead
Team Size: 14

Responsibilities
- **Led design and development of RESTful APIs and frontend components.**
- **Architected and implemented core backend services for carrier selection, discount logic,.**
- **Collaborated with UI/UX teams to ensure seamless API integration with dynamic shipment screens.**
- **Defined and enforced code quality standards, API versioning, and deployment pipelines.**
- **Oversaw deployment and scaling on Azure Cloud with Kubernetes orchestration.**

Technology : : Python(fast API Pydantic) , JavaScript , Reactjs ,Postgress ,Azure Cloud , Kubernetes

Teck Awards (2021 Sep to 2022 April)

The goal of this project was to modernize and enhance an existing HR application using advanced technologies. The system is used by HR teams to raise nomination requests (as "Champions") for employee award distribution. These requests are reviewed and decomposed by supervisors or managers with comments and then sent back to the Champion for further action. The platform supports multilingual functionality and leverages various evaluation criteria—such as project success, attendance, ratings, and reviews—to identify the most deserving nominees.

My Role: Project lead
Team Size: 14

Responsibilities :

- **Led and participated in development activities while managing the team.**
- **Gathered and analyzed client requirements.**
- **Designed and presented prototypes for approval.**
- **Conducted and facilitated daily Scrum meetings.**
- **Developed front-end features and integrated them with back-end services.**
- **Managed deployment processes on Azure Cloud.**

Technology : JavaScript , Python(FAST API , JavaScript , Angular ,MySQL, Agile, Azure Cloud.

FCA Build Tool (2020 Nov to 2021 August)

This tool is used to compile C++ source files and generate builds for either a single controller or multiple controllers. The resulting build can consist of a single output file or multiple files, depending on the project configuration.

My Role: Tech lead
Team Size: 10

Responsibilities
- **Collaborated with the Project Lead to gather and analyze client requirements.**
- **Led a development team, managed task assignments, and conducted daily Scrum calls.**
- **Created prototypes, secured client approvals, and oversaw implementation.**
- **Developed front-end components and integrated them with back-end services.**
- **Deployed applications on Azure Cloud, ensuring scalability and reliability.**

Technology : JavaScript , Python(FAST API , JavaScript , Angular ,MySQL, Agile, Azure Cloud.

British Telecom (2020 Nov to 2021 August)

This project was for British Telecom, the largest provider of fixed-line, broadband, and mobile services in the UK. The system manages job assignments, task decomposition, and scheduling, with modules such as Queue Selection & Alerts, Date and Custom Diary Selection, Work, and the Diary. The primary objective was to develop a tool to efficiently handle customer queries and deliver timely solutions and services.

My Role: Tech lead
Team Size: 10

Responsibilities

- **Collaborated as both Developer and Project Lead, gathering client requirements and translating them into technical solutions.**
- **Led the team, handled resource allocation, and ensured timely delivery through daily scrum calls.**
- **Managed prototype design and approval from stakeholders.**
- **Contributed to front-end development using Angular and JavaScript.**
- **Oversaw deployment of the application on Azure Cloud.**

Technology : JavaScript , Python(FAST API , JavaScript , Angular ,MySQL, Agile, Azure Cloud.

TASK TIMER (2020 Jan to 2020 Oct)

Tasktimer is project and resource management system. There are seven types of user roles defined here namely : Project Manager,Project Leader,Sub Project Leader,Account Manager,Employee,Customer.Each user can see and manage data on the basis of his role. A Worksheet with all employees except Customer is being showed up with all the details of each day i.e Current Project, hours of allocation, future engagement to projects, project deadlines. A customer can logged in with his credentials and add project , assign project manager, project leader and different employees to his projects. A project can be activated, paused, archived and deleted.

My Role: Tech lead
Team Size: 6

Responsibilities
- **Led the development of a project and resource management system using MEAN stack (MongoDB, Express.js, AngularJS, Node.js) and Require.js for module loading.**
- **Collaborated with stakeholders to gather and refine requirements for role-based access and functionality for 7 distinct user roles.**
- **Designed and implemented RESTful APIs to handle project creation, assignment, activation, pausing, archiving, and deletion.**
- **Developed dynamic, role-specific dashboards for Project Managers, Leaders, Employees, and Customers with tailored data visibility.**
- **Built and optimized the Worksheet module to track daily allocations, current projects, future engagements, and deadlines.**
- **Integrated secure authentication and authorization workflows for customers and internal users.**
- **Optimized MongoDB queries for efficient data retrieval, ensuring smooth performance under concurrent usage.**
- **Conducted code reviews, enforced best practices, and mentored junior developers in MEAN stack development.**
- **Managed deployments, bug tracking, and feature updates in collaboration with QA and project management teams.**
- **Ensured cross-browser compatibility, responsive UI design, and maintainable code architecture.**

Technology : JavaScript , Nodejs, Angular js ,Mongodb.,Require.js,

Lipx Tour (2019 Mar to 2019 Oct)

Lipx is a photo and tour guide application that recommends cafes, restaurants, shops, and bars. It features an interactive online map with curated tours that users can follow via GPS. At each tour highlight, users receive brief information about the spot. The app allows users to take pictures directly, share them on social platforms like Twitter, Facebook, and Instagram, explore dedicated selfie points, and connect with travelers worldwide.

My Role: Tech lead
Team Size: 7

Responsibilities
- **Led the development team using the MEAN stack to deliver core application features.**

- Designed and implemented real-time GPS tracking and interactive tour mapping.
- Integrated social media sharing for photos directly from the app.
- Developed real-time chat and interaction features using Socket.IO.
- Optimized application performance using Require.js and Grunt for build automation.
- Managed code reviews, sprint planning, and task allocation for the team.

Technology : JavaScript , Nodejs, React js ,Mongodb.,Require.js, Grunt, Socket.Io,