




Khushi Zope


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Skills

Programming Languages

HTML5, CSS3, Javascript (ES6), Typescript, Python, C, C++, Java, PHP

Frontend Tools:

Angular, React, Material UI, SCSS, Sass, NgRx, RxJS, Bootstrap

Backend Tools:

Node.js, Express.js, Spring Boot, Hibernate, RESTful APIs, mongoose, npm, MySQL, PostgreSQL

Web Services & API Design:

REST API, WebSocket, WebDAV

Testing Tools:

Karma, Jasmine, JUnit

DevOp Tools:

Jira, Docker, AWS, Git, Github

Other Tools

Figma, Sketch, Adobe XD, Wordpress, MS Office

Methodologies

Agile, Scrum, Kanban, Responsive Web Design, Web Accessibility (WCAG), Test-Driven Development (TDD), CI/CD pipeline automation.

Language

- English (C1)
- German (B1, learning)

Work Experiences

Associate Software Engineer

Tech Mahindra

Pune, India

September 2023 - November 2024

- Collaborated in the development of web-based applications using React.js, TypeScript, and RESTful web services, integrating with backend systems built on Java Spring Boot.
- Enhanced user experience by implementing new features aligned with client communication strategies, reducing user pain points by 25%.
- Played a key role in cross-functional Scrum teams, contributing to high-quality, tested code by practicing Test-Driven Development (TDD).
- Led code review sessions, providing and receiving constructive feedback, and ensured 95% code coverage with automated testing using JUnit and Mockito.
- Designed CI/CD pipelines to streamline deployment processes, reducing build times by 20% and ensuring consistent production readiness.
- Actively participated in Agile ceremonies, including sprint planning and retrospectives, and facilitated smooth task prioritization and on-time delivery.
- Promoted clean, maintainable code practices, mentoring junior team members and driving continuous learning within the team.

Martian Intern

Persistent System

Pune, India

May 2022 - July 2022

- Excelled in the Martian Program Examination, achieving a 95% score, demonstrating in-depth knowledge of Computer Networks, DBMS, Data Structures, Algorithms, and Programming Languages.
- Explored and documented emerging frameworks such as Angular and Node.js, providing actionable insights that led to a 20% faster adoption of these tools within the team.
- Engaged in research on real-world use cases of modern web technologies, presenting findings to senior management to support project planning and technology choices.

Web Developer Intern

AasPass Infotech

Remote

November 2021 - February 2022

- Designed and implemented a dynamic front-end interface using HTML5, JavaScript, and Angular. Introduced an interactive navigation system and responsive design, boosting user engagement by 30%.
- Developed a single-page application (SPA) for the client portal, which reduced average page load times by 40% and streamlined user interactions through efficient state management.
- Collaborated closely with UI/UX designers to translate complex wireframes into pixel-perfect, responsive web interfaces compatible with all modern browsers and devices.
- Integrated Git for version control and ensured code consistency through regular peer reviews, significantly reducing deployment errors.

Education

Master of Science in Web Engineering Chemnitz University of Technology, Germany

October 2024 - Present

- Software Service Engineering
- Database & Web Techniques
- Advanced Management of Data
- Machine Learning
- Cloud & web Technology
- Media Encoding

Bachelor of Engineering in Computer Science and Engineering Savitribai Phule Pune University, India

August 2019 - May 2023

Thesis: PolyVigChat - Securing Communication Cryptosystem with Hybrid Classical Ciphers.

Grade: 1.6

- Data Structures & Algorithms
- Database & Management Systems
- Operating Systems
- Machine Learning
- Software Engineering
- Computer Networking
- Web Technology
- Internet of Things

Projects

EcoRoute Planner

Skills: Mapbox GL JS, Node.js, PostgreSQL with PostGIS, JavaScript, HTML, CSS

- Designed and developed a GIS-based web application that calculates eco-friendly routes by analyzing traffic, air quality, and green spaces to optimize commuter paths.
- Utilized advanced geospatial algorithms to compute routes, reducing computation time by 25%
- Enhanced the user interface with real-time map rendering and dynamic data updates, improving user satisfaction by 30%.

[Link: Ecoroute Planner](#)

WebScrapI

Skills: Python, BeautifulSoup, Scrapy, HTML, CSS, JavaScript, JSP, Git.

- Created a comprehensive web scraping tool for extracting structured data from websites to support market research initiatives.
- Built the tool using Python with libraries like BeautifulSoup and Scrapy for efficient and scalable data scraping processes.
- Rendered dynamic web content using HTML, CSS, JavaScript, and JSP, enabling seamless integration with the scraped data.
- Ensured maintainability and code reusability by employing modular design patterns and version control through Git.

[Link: WebscrapI](#)

TaskManagerAPI

Skills: Node.js, PostgreSQL, REST API, JavaScript, Git

- Developed a task management API that allows users to create, retrieve, update, and delete tasks with efficient filtering options based on criteria like status, priority, and due date.
- Implemented secure RESTful endpoints using Node.js and optimized database queries with PostgreSQL to ensure high performance.
- Enhanced user experience by incorporating robust validation and error-handling mechanisms.
- Delivered a user-friendly API documentation that improved developer onboarding and integration by 40%.

[Link: Taskmanager](#)