

Zenith Popat

Full-Stack Web Developer | React, Next.js, Node.js

zenith.popat@gmail.com | +49 1575 808 5562 | Kaiserslautern, DE

LinkedIn: linkedin.com/in/zenith-popat/

PROFILE

A Computer Science Master's candidate currently completing the thesis phase, with a strong foundation in web development. Experienced in building scalable, high-performance web applications using modern frameworks such as React, Next.js, and TypeScript. Skilled in both front-end and back-end development, with a focus on clean architecture, maintainable code, and user-centric design. Actively seeking full-time opportunities in front-end, back-end, or full-stack development to contribute technical expertise and deliver impactful digital solutions.

SUMMARY OF QUALIFICATIONS

- End-to-end development experience across the stack using React, Next.js, Node.js, MongoDB, and Firebase.
 - Built dynamic full-stack applications with features like real-time updates, content management, and secure user auth.
 - Balanced front-end performance (SEO, UI/UX, animations) with scalable back-end logic and database integration.
 - Strong debugging and testing mindset with exposure to modern tools like Postman, GitHub Actions (CI), and Figma for UI alignment.
 - Adaptable and collaborative, with proven success in cross-cultural, remote development settings (Germany, Austria, Finland, India).
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TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, Python, Java, C++, C
 - **Front-End:** React, Next.js, Tailwind CSS, HTML, CSS, Redux
 - **Back-End:** Node.js, Express.js, REST APIs
 - **Databases & ORMs:** MongoDB, MySQL, Prisma ORM
 - **Authentication & Deployment:** NextAuth, Firebase (Auth & Storage), Vercel
 - **Tools & Platforms:** Git, GitHub, Postman, IntelliJ IDEA, Jupyter Notebook, VS Code, Figma
 - **Other Skills:** Responsive Design, Component-Based Architecture, SEO (Next.js), Agile Development, CI/CD (basic)
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EDUCATION

University of Kaiserslautern (2021 – Present)

MSc., Computer Science – Kaiserslautern, Germany

- Thesis: Web app development for 3D & 2D Gaussian Splatting.
- VR-PowerWall evaluation project (***OpenSpace, ViewR, Unity, Unreal Engine***)
 - Conducted a comparative analysis of VR visualization tools to identify the most suitable software for VR-PowerWall systems. Built demo experiences using each tool to assess performance, usability, and hardware compatibility. Delivered a final evaluation report with technical recommendations.
- Erasmus Exchange Program: **University of Oulu, Finland (Winter 2023), University of Vienna, Austria (Winter 2022)**

Marwadi University (2016 – 2020)

B.Tech., Computer Science – Rajkot, India

- **GPA:** 8.74/10
 - Erasmus Summer School: **University of Kaiserslautern, Germany (Spring 2017)**
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PROFESSIONAL EXPERIENCE

Everest Solutions GmbH (Apr 2022 – July 2024)

Working Student, Developer (Remote)

- Boosted application performance by **15%** by **engineering** reusable **TypeScript** modules.
- Designed a **GitHub-style** tagging system to **enhance** search and usability (**+10% efficiency**).
- Contributed to scalable frontend/backend features in **Agile sprints** using **CI/CD pipelines**.
- Led code reviews and collaborated across teams for clean architecture delivery.

CibusCell Technology GmbH (Nov 2021 – Mar 2022)

Working Student, Developer (Remote)

- Developed **responsive Next.js** frontend with **modular components** and **clean UX**.
- Integrated **REST APIs** to ensure seamless data flow between backend and UI.
- Collaborated in **Agile** environment to deliver full-stack features using **React** and **Java**.

CodeTantra Tech Solution Pvt Ltd (Dec 2020 – July 2021)

Product Development Engineer (Dec 2020 – Apr 2021)

- Built an **exam-time tracking** and **anti-cheating system** for online exams with real-time tab monitoring and enforcement logic using Java, **JavaScript**, and **jQuery**.
- Created video-enabled e-learning components using **vanilla JS**, **HTML/CSS**.
- Resolved live client issues and performed **QA testing**, reducing ticket backlogs and **improving platform stability**.

PROJECTS

Personal Portfolio Website

Tech Stack: React, Node.js, Tailwind CSS, Three.js

- Created a **fully responsive** personal portfolio showcasing skills, projects, and contact options.
- Integrated **Three.js** for **3D visual effects** and **smooth UI transitions**.
- Built to demonstrate **front-end expertise** and **personal branding**.

Travel Blog Platform (Medium-style)

Tech Stack: React, Next.js, Node.js, MongoDB, Prisma, Firebase, CSS, NextAuth

- Developed a **feature-rich** blogging platform with **Google and GitHub authentication**, a Medium-like **editor**, and **real-time updates** for **likes**, **comments**, and **views**.
- Integrated **image uploads (Firebase)**, blog **filtering** by category, and personalized blog recommendations.
- Includes **admin features** like content moderation and editor's picks.
- **SEO-optimized** with **Next.js** best practices.

Task Manager Web App

Tech Stack: React, Node.js, Tailwind CSS

- Built a simple task management tool with **CRUD** operations, **filtering**, **sorting** and **localStorage** for state persistence
- **Deployed** on **Vercel** for **public access** and **testing**.

TECHNICAL LEARNING AND CERTIFICATIONS

- **Google India Scholarship: Web Development** (Google, 2017)
- Algorithms & Data Structures in C++ (Udemy, 2018)
- Self-taught **TypeScript** and **Next.js** through **project-based learning** and **open-source docs**.
- Expanding expertise in web-based **AR/VR** and **graphics** by studying **Three.js** and **Babylon.js** through online tutorials and personal projects.

INTERESTS

Web Development, Backend Systems, UI/UX | Hiking, Traveling, Flute, Sports