Akash Kumar Singh

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EDUCATION

Vellore Institute of Technology
B. Tech in Computer Science and Engineering

Bhopal, Madhya Pradesh
Expected Graduation: Sep 2025

Kendriya Vidyalaya Sangathan
Grade 12: Science with CS, CBSE

Vikaspuri, Delhi
Apr 2020 – May 2021

EXPERIENCE

Full Stack Developer
Züs (formerly 0Chain)

Feb 2024 - Dec 2024
Freelance

- Managed a monorepo of six web applications at Züs, ensuring seamless integration and functionality.
- Designed and implemented a Google Drive-like download folder feature using recursive techniques.
- Proactively resolved over 140 GitHub issues, enhancing user experience and apps functionality.
- Also managed a desktop application in which I developed the Dropbox migration feature using the OAuth flow from the ground up and automated the process of building the desktop application for Windows and macOS.

Full Stack Developer
Imagine Her

Jun 2023 - Feb 2024
Volunteer, Remote

- Developed a ticket portal aiding entrepreneurs with resources and business strategy assistance.
- Implemented API for authentication & OTP-based email verification, ensuring secure user access.
- Created endpoints for raising and updating tickets, tailoring user and admin functionalities.
- Designed UI using Figma, and efficient database schema & models for seamless data management.

Full Stack Developer
Aisle Five

Jul 2023 – Nov 2023
Intern, Remote

- Utilized Next.js to implement SSR, enhancing website performance and user experience.
- Implemented dynamic routing and efficient data fetching to create fast and responsive web apps.
- Managed source code effectively using Git, ensuring version control and collaboration among team members.

Frontend Developer
Recode Inc.

Apr 2023 – Jun 2023
Intern, Remote

- Collaborated with the design team to convert Figma designs into fully functional web apps using React.js & CDN
- Utilized Firebase for deployment and real-time database integration.
- Developed Instagram filters using SparkAR for effective promotion purposes.

PROJECTS

Qanst: Realtime QnA | *Next.js, WebSocket, Prisma, PostgreSQL, Docker, Azure*

Oct 2023 - Nov 2023

- Developed a real-time QnA platform using Next.js, enabling dynamic user interactions and seamless updates.
- Integrated WebSockets to facilitate real-time communication, ensuring the platform instantly reflects new questions, answers, and votes.
- Utilized Prisma ORM with PostgreSQL database to efficiently store and manage question-and-answer data along with user profiles.

Email Verification System | *NodeJS, TypeScript, tsoa, zod, JWT, MongoDB*

Sep 2023 – Nov 2023

- Engineered OTP and link-based email validation mechanisms to fortify user authentication, enhancing system security and reliability.
- Employed tsoa to generate comprehensive SwaggerAPI documentation, facilitating clear understanding and seamless integration of API endpoints.

TECHNICAL SKILLS

Languages: C/C++, Java, Python, SQL, JavaScript/TypeScript, GraphQL, Redis
Frameworks: Next.js, React.js, Node.js, tRPC, Prisma
Developer Tools: Git, Docker, AWS (EC2, S3, Route53, ECS), Azure