

# Prakash Singh

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## ABOUT

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Since my childhood dream of hacking and curiosity about how the internet works, how to hack, how a chat application works, and many interesting questions, I have evolved into a backend developer for 2.5 years. **Python** led me through data engineering, pipelines, and warehouses. Later, I delved into **JavaScript**, crafting robust backends for large-scale **web and mobile apps**. I thrive in **system design**, mastering Low-Level Designs (LLD) and High-Level Designs (HLD). I don't just code. I'm an integral part of ideating, building, deploying, and growing products. My journey blends childhood dreams with a passion for delivering quality code and rich experiences. In past roles and since childhood, I've consistently aimed to be a **general problem solver**. Whether in coding, design, or any task, my subconscious drive is to find optimal solutions.

## PROFESSIONAL EXPERIENCE

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### Propelius Technologies, Surat, India - **Senior Backend Developer**

Apr 2023 – Sep 2024

- Revised, modularized and updated old code bases to modern development standards, reducing operating costs, and improving functionality.
- Discussed issues with team members to find resolutions and apply best practices.
- The application I have built here is a mobile app, where I've developed the backend using **Nest.js** with **Firebase** setup. I've ensured that the code functions correctly in both dev and prod environments. Additionally, I've integrated **google and amplitude analytics** to gain insights into user behavior and track their interactions. Furthermore, I've extensively managed backend indexing with **elastic-search**.
- Built CI/CD pipelines using **Jenkins** and **Docker**. Made use of **grafana** and **kibana**.
- Enhanced code review techniques.

### Han River Technology, Kolkata, India - **Associate Software Engineer**

Mar 2023 – July 2023

- Created a booking system for a Korean company, similar to Agoda. Primarily focused on developing authentication, authorization, booking, notification, and review rating modules.
- Collaborated with internal teams, including graphic and UX/UI designers, as well as QA testers and frontend developers, to ensure a comprehensive development process.
- Authored reusable **unit and integrated style test** documents to maintain quality control and promptly identify any potential bugs.

### Vouch Digital, Mumbai, India - **Backend Developer**

Oct 2022 – Jan 2023

- Analyzed information to identify ongoing work on a project called Vavo, which is essentially an influencer marketing platform. In this project, my primary focus was on implementing features such as permission management, notification scheduling, handling SMTP protocols, and enabling the upload feature to cloud buckets.
- Simultaneously, I developed INSPIRO from scratch - a website design inspiration gallery. This product is highly robust, and my experience with it encompassed a broad range of skills, including web scraping, managing development and production environments, **cloud management**, team coordination, and prioritizing work effectively.

### Packet Fanatic LLC, Orlando, Florida - **Junior Backend Developer**

May 2022 – Dec 2022

- I implemented a billing system for a company with over 50,000 users. I primarily worked in both development and production environments, where I incorporated server analytics using Firebase. I utilized **Firebase** for authentication, employed Firestore database, and utilized Firebase storage for storing user images and files..
- During this experience, I deepened my understanding of efficient querying, **sharding techniques**, and

the intricacies of data storage in databases. I also focused on **code optimizations** and other related areas of improvement.

**Techo-Kids**, Vadodara, Gujarat - **Intern Backend Developer**

May 2020 – Dec 2021

- Implemented three dashboards designed for students, teachers, and administrators in an online coding class application, akin to an Learning Management System (LMS). During this role, I assisted a senior backend developer, contributing significantly to various modules including coupons, assignments, results, exams, attendance, and leave management
- This job marked my introduction to the intricacies of **REST APIs**. I acquired skills in querying complex tables, **triggering functions**, setting up cron jobs, and managing OTPs, among other aspects.

## EDUCATION

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**KLE Technological University**, Hubli, Karnataka, India 2024 **Bachelor of Computer Science Engineering**

**Cum. CGPA:** 8.4 / 10

**Major GPA:** 3.55 / 4.0

- I have published over 20 articles on Medium, accumulating more than 50k+ views.
- I have earned a 3-star rating on CodeChef.

**Gurukul Vidyapeeth**, Hajipur, India 2020 **AISSCE**

**Percentage:** 79%

- Won the Gold Medal in the Olympiads in Mathematics.
- Prabhat Khabar India awarded me a Gold Medal.

## PROGRAMMING SKILLS

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**Languages :** Javascript, TypeScript, NodeJS, Python, C++, Java

**Technologies :** NestJs, Express.js, NodeJs, RESTful APIs, MongoDB, MySQL, PostgreSQL, Firebase, AWS, Digital Ocean, Firebase, Supabase, Prisma, Nginx, Git, Github, Bitbucket, Jest, Command line/Shell scripting

## RECENT PROJECTS

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**Connect App**

- A progressive web app serves as an exhibition management system, enabling admins to create organizers, events, and upload visitors and exhibitors in bulk. It facilitates meeting requests, allowing participants to prequalify each other as relevant or non-relevant, along with other features.

**Alertify**

- A chrome extension which will notify users if there is a project of their interest on the freelancing platforms.