Divyanshu Shekhar

Software Engineer (Full-Time)

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EXPERIENCE

UndrAds   Gurgaon
Founding Engineer   *January 2024 – June 2024*

- Built a high-performance ad serving system using Prebid, Amazon, and Google Ad Manager, handling over **1 billion daily ad requests with 900ms response time**.
- Developed a mediation **SDK for mobile apps** with dynamic ad serving through Google AdMob integration.
- Automated campaign workflows and real-time bidding logic to optimize revenue without adding latency.

Zero   Bangalore
Co-founder   *August 2024 – December 2024*

- Developed a SaaS product for dynamic internal linking, enhancing SEO performance across client websites.
- Led a team and **secured 10+ enterprise clients**, driving revenue growth through strategic partnerships.
- Designed and implemented a GTM strategy, successfully **onboarding 100+ users**.

GoComet   Bangalore
Backend Developer Intern   *February 2024 – August 2024*

- Led and developed analytics dashboard using the ADA stack (Airbyte, DBT, Airflow), saving **60% of time.**
- **Increased leads by 30%** through innovative SEO and targeted ad campaigns, aligning with business goals.
- Researched target customers, refining strategies with stakeholders.

Listed Inc. (OpenInApp)   Bangalore
Backend Developer Intern   *December 2023 – February 2024*

- Optimized REST APIs and MySQL Database to increase the efficiency of API calls by 90%.
- Improved payment gateway system by 40% using Razorpay SDK and webhooks.
- Promoted adoption of **Docker** and **db migrations**, resulting in a **60%** improvement in deployment processes.

PROJECT EXPERIENCE

DemonOS [Assembly, C, Makefile, Shell, Qemu]   July 2021

- Implemented key system components including Interrupt Descriptor Table (IDT), Global Descriptor Table (GDT), Programmable Interrupt Controller (PIC), and A20 line with a focus on switching from real to protected mode.
- Leveraged Makefile and Shell scripting to compile and build executable files, and created .iso files for distribution.
- Utilized Qemu for effective debugging and testing of the operating system.

DevScript [Golang]   April 2023

- Built a fully functional interpreted programming language from scratch.
- Implemented core features including AST generation, expression parsing, and function execution.
- Wrote comprehensive test cases covering tokens, literals, expressions, statements, and function logic.

Workflow Reporter : Streamline failed workflow [Typescript, Probot, GitHub API, Postman]   January 2022

- Used GitHub Developer REST API to fetch Pull Request and Failed Actions data to use it as custom messages.
- Used Docker Compose for multi-container, load balancing, and fault tolerance, increased efficiency by 90%.
- Deployed to Heroku with over 50 subscribed customers, resulting in successful implementation and adoption.

Recite : All-in-one Text-to-speech android app for web & PDF [Flutter, Dart, Java, Docker]   April 2021

- Integrated multi-language voice support using Google TTS and Spacy NLP Model for precise sentence detection.
- Reached 10,000+ downloads with a monthly average of 2,000 active users through sustained efforts.

Flexboard : React component library for re-sizable sidebars [React, Typescript]   November 2022

- Led the team, set up the project structure, integrated continuous integration & deployed to NPM registry.
- Achieved outstanding community popularity with more than 300 GitHub stars and 100 weekly NPM downloads.

Online Portfolio

hackthedeveloper.com : Code. Hack. Master. [WordPress, AWS, LiteSpeed]   April 2020 - Present
- Demonstrated SEO expertise to rank blogs and tutorials for many trending technologies.
- Hosted on AWS, LiteSpeed Server, SEO Optimized, successfully retains a monthly user base of over 60,000.

Achievements

- **Hult Prize 2022 On-Campus Winner**: Won 1st Prize, for creating a student connectivity app.
- **AWS Academy Graduate - Cloud Semester 1**: Hands-on experience in EC2, S3, CloudFront, RDS, & IAM.
- Solved more than 500 **LeetCode** and Data Structure and Algorithm (DSA) Questions.

Skills

- C/C++ | Java | Python | JavaScript | Dart | Go | TypeScript | Shell | SQL | MongoDB | Redis
- Prebid | React | Redux | Flutter | Node | Express | Angular | Flask | Django | Linux | Git | Scrum | AWS | Docker
- Software Development | Design Pattern | Microservices | Distributed Systems | Frontend | Backend | Full-Stack
- English, Hindi - *All professional proficiency or above*

Education

Kalinga Institute of Industrial Technology (KIIT) (BTech CSE)   Bhubaneswar, Odisha
Graduate, CGPA 9.0   *2020 – 2024*