Divyanshu Shekhar

Software Engineer (Internship/Full-Time)

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Address

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Project Experience

Workflow Reporter : Streamline failed workflow [Typescript, Probot, GitHub API]   January 2022
- Used GitHub Developer REST API to fetch Pull Request and Failed Actions data to use it as custom messages.
- Proficiently utilized Postman to test APIs and ensure REST API functionality.
- 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.
- Continuous Integration/Deployment pipeline integration using GitHub Actions Workflow, pull requests, code reviews, load/stress testing, unit/integration/e2e testing
- Reached 10,000+ downloads with a monthly average of 2,000 active users through sustained efforts.

DemonOS: An Operating System [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.
- Developed basic input/output functionality using C language for writing to the terminal.
- 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.

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 300+ GitHub stars and 100+ weekly NPM downloads.

Online Portfolio

Hack The Developer : Code. Hack. Master. [WordPress]   April 2020 - Present
- Demonstrated expertise in many programming languages and trending technologies.
- Optimized blog content using SEO techniques to improve search engine rankings and increase website traffic.
- Hosted on AWS EC2, successfully retains a monthly user base of over 30,000.

Awards and Certifications

- **Hult Prize 2022 On-Campus Winner**: Led the design and development team, Won 1st Prize, for creating a student connectivity app to enable project collaboration easy with *proof-of-skill* and *proof-of-work* concept.
- **AWS Academy Graduate - Cloud Semester 1**: Successfully completed and developed proficiency in using AWS core services such as EC2, S3, CloudFront, RDS and IAM, through hands-on labs and assignments.

Skills

- C/C++ | Java | Python | JavaScript | Dart | Go | TypeScript | Shell | SQL | MongoDB | Redis
- 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
Pre-final (Third) year, CGPA 8.6   *2020 – Expected. 2024*

Kairali School (CBSE)   Ranchi, Jharkhand
12th Grade, 90%   *2019*

Saint Joseph's School (ICSE)   Banka, Bihar
10th Grade, 93%   *2017*