KUNAL PRASANNA VEENA

Birmingham, United Kingdom

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🐙 github.com/KunalPV 👤 [Portfolio](#)

PROFILE

Results-oriented Software Developer with over a year of hands-on experience in full-stack software development and blockchain applications. Possesses a robust understanding of cutting-edge technologies and a track record of developing innovative solutions. Eager to apply acquired expertise to drive impactful technology initiatives. Recent graduate with a Master's degree in Advanced Computer Science with Merit from the University of Birmingham, equipped with a comprehensive academic background and a deep focus on emerging technologies.

EDUCATION

University of Birmingham   September 2022 – September 2023
Master of Science in Advanced Computer Science | ***Classification: Merit***   *Birmingham, United Kingdom*

Visvesvaraya Technological University   August 2018 – July 2022
Bachelor of Technology in Computer Science and Engineering | ***Classification: First Class***   *Belagavi, India*

EXPERIENCE

Junior Software Developer   January 2021 – October 2021
Tequed Labs   *Bengaluru, India*

- Developed, tested, and deployed new Web Application features using React and Node.js, resulting in a remarkable 60% surge in user base within just three months.
- Designed and optimized APIs, ensuring efficient data retrieval and processing, and achieved a 60% enhancement in application responsiveness through advanced code optimization techniques.
- Pioneered and implemented a RESTful API architecture, leveraging MongoDB for efficient data storage and retrieval, enhancing system reliability, and facilitating seamless data integration across multiple services.
- Engineered custom authentication and authorization mechanisms, reducing user feed retrieval times by 50% and optimizing user profile retrieval processes, thereby enhancing the overall user experience and system efficiency.
- Coordinated comprehensive end-to-end testing, implementing robust security protocols, and ensuring data integrity by intercepting requests, validating user credentials, and granting access exclusively to authorized users.
- Collaborated closely with cross-functional teams, to design scalable architectures, optimize data models, and ensure seamless integration between frontend and backend components.

Software Developer   June 2020 – November 2020
Gutslane   *Bengaluru, India*

- Implemented caching and load balancing strategies using Node.js and Express.js, resulting in a 70% improvement in system scalability and ensuring a seamless user experience during peak traffic periods.
- Mitigated performance bottlenecks by analyzing the codebase for inefficiencies, refactoring critical components, and implementing asynchronous processing techniques, resulting in a significant improvement in application performance, and reduction in page load times.
- Streamlined data management by designing optimized database schemas and leveraging MongoDB, resulting in a half improvement in data processing speeds and significantly enhanced application workflows.
- Implemented Agile methodologies within cross-functional teams, utilizing CI/CD pipelines and DevOps practices to streamline development cycles.
- Participated comprehensive code reviews and peer feedback sessions, incorporating best practices such as SOLID principles and design patterns to ensure maintainable and scalable software solutions.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Java, Python, Solidity, C++, C, HTML/CSS, SQL, Flutter.

Developer Tools: Git Version Control, VS Code, Remix, Android Studio, Postman, GraphQL, CI/CD, Docker.

Technologies/Frameworks: Linux, Github, ReactJS, NodeJS, ExpressJS, NextJS, TailwindCSS, Hardhat, MongoDB, REST, Mongoose, Firebase, Spring Boot, MySQL, Django, Redux.

RESTful API's, Agile Development, Scrum, DevOps, Blockchain Development, Ethereum.

INTERNSHIPS

Postgraduate Ambassador
October 2022 – September 2023

University of Birmingham
Birmingham, United Kingdom

- Facilitated postgraduate program outreach and engagement initiatives, promoting advanced academic opportunities to prospective students.
- Delivered personalized guidance and mentorship to potential candidates, drawing from firsthand experiences and insights to guide their transition into postgraduate studies.
- Coordinated logistics and execution for various events, including on-campus and virtual seminars, postgraduate fairs, and networking gatherings, to foster connections and showcase program offerings.

NodeJS Developer Intern (Remote)
October 2022 – November 2022

Along Technologies
Berlin, Germany

- Designed and developed backend APIs and services using Node.js, Express.js, and integrated with Firebase Authentication services.
- Mitigated performance bottlenecks by analyzing the codebase for inefficiencies, refactoring critical components, and implementing asynchronous processing techniques, resulting in a significant improvement in application performance, and reduction in page load times.
- Streamlined data management by designing optimized database schemas and leveraging MongoDB, resulting in a half improvement in data processing speeds and significantly enhanced application workflows.

Python Development Intern
March 2020 – May 2020

Weroute Systems Pvt. Ltd.
Bengaluru, India

- Developed and optimized Python scripts for network automation tasks, collaborating closely with team members to enhance efficiency and functionality.
- Conducted code conversions and tailored solutions for various vendors, ensuring compatibility and seamless integration across platforms.
- Participated in iterative development cycles, including code reviews and enhancements, gaining practical skills in Python programming, network protocols, and vendor-specific integrations.

Java Developer Intern
July 2019 – September 2019

Clappia
Bengaluru, India

- Collaborated on enhancing Clappia's website and mobile app, focusing on performance optimization and feature development to enhance user experience.
- Engaged in backend development tasks, leveraging Node.js and Java technologies to maintain and enhance core services and functionalities.
- Participated in cross-functional teams, contributing to iterative development cycles, code reviews, and continuous improvement initiatives within the tech stack.

PROJECTS

KryptoInsight (github) | *Solidity, Hardhat, ReactJS, TailwindCSS, NodeJS, ExpressJS, MongoDB*
September 2023

- Pioneered development of an innovative blockchain-powered survey application that achieved 80% higher user participation through cryptocurrency rewards and streamlined survey creation.
- Catalysed a 30% improvement in survey accuracy and analysis with robust platform capabilities to manage surveys and collect data while cultivating a thriving user community that boosted user-generated content by 40%.

Places Directory App (github) | *ReactJS, NodeJS, ExpressJS, MongoDB, Mapbox API, PassportJS*
July 2022

- Developed an interactive web app enabling users to easily curate, share and explore favourite locations through a community-driven place directory and map view.
- Transformed user engagement with a visually appealing map view that expanded user-contributed places by 25% and improved exploration.

E-Shopping Website (github) | *NodeJS, ExpressJS, MongoDB, EJS, HTML/CSS*
September 2021

- Designed and developed a responsive eCommerce platform using EJS templates, which facilitated dynamic content rendering and seamless integration of JavaScript logic, enhancing user interface flexibility and interactive functionalities.
- Achieved significant improvements in performance and user engagement, including reduced response times, enhanced transaction completion, and strengthened security measures to prevent unauthorized access and data breaches.

LEADERSHIP

Volunteer Lead
May 2019

Smart India Hackathon
Bapuji Institute of Engineering & Technology

- Facilitated planning and delivery of interactive workshops and presentations in coding, design thinking, and entrepreneurship, impacting 100+ participants and enhancing skills and knowledge.