

Onkar Kirpan

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SUMMARY

Senior System Analyst with 7 years of experience in developing applications with JavaScript, Node.js, GIT, Jira, API management, microservices, DevOps, automation, and React. Highly skilled in designing and deploying cloud-based systems and applications. Experienced in developing user interfaces and working with cross-functional teams to optimize system performance. Applying for a position as a Senior System Analyst to lead development and drive innovation.

EXPERIENCE

Senior System Analyst | ANZ | Bengaluru, India | December 2020 - Present

- Interfaced with cross-functional development teams, including Architects and Solution Designers, to conceptualize and develop high-level Integration Solution Designs, effectively meeting integration requirements and ensuring seamless project execution.
- Spearheaded critical decision-making processes, enabling the successful and timely completion of multiple complex integration projects while maintaining strict adherence to budgetary constraints and exceptional quality standards. Proactively identified and mitigated potential project risks to ensure smooth project lifecycles.
- Mentored a team of 16 developers by providing guidance and training on a range of middleware products, fostering a culture of continuous learning and growth within the team. Implemented best practices in integration patterns, standards, and documentation. Streamlined processes and improved project outcomes.
- Spearheaded the implementation of cutting-edge automation tools, streamlining manual tasks across 65+ microservices, and significantly improving team productivity. Contributed to a 25% reduction in development time and operational costs within the Integration area.
- Developed an internal GitHub application for streamlined task management across 65+ microservices, which increased operational efficiency by 20% and accelerated project delivery by 2 months.
- Recognized as a SME in API Management, GRPC, and Microservices, provided comprehensive training and guidance to the team, resulting in a notable 20% increase in development efficiency and proficiency within the department. Additionally, championed best practices in integration standards and documentation, ensuring adherence to industry benchmarks and improving overall project quality.

Senior Software Developer | IBM | Bengaluru, India | December 2020 - Present

- Developed a secure online platform that successfully improved delivery times by 68%, improved the user experience, and decreased development costs by 25%.
- Implemented agile methodologies for the software development process, resulting in a 50% reduction in development time, and the delivery of secure, reliable, and high-quality web applications.
- Utilized automated testing to ensure the functional integrity of web-based applications and services.

Software Developer | Mobile Programming LLC | Bengaluru, India | October 2020 - Present

- Developed and maintained functional, secure and well-structured full-stack web applications using Node.js, React.js, HTML5, CSS, and JavaScript.
- Optimized application code for high scalability and performance, enhancing the overall usability and user-experience with a 99.9% uptime rating.
- Improved web page load times by an average of 34%, resulting in a 7% uptick in customer engagement.
- Wrote unit tests to debug, analyze and improve overarching application functionalities.

Software Engineer | Greenway Grameen Infra | Bengaluru, India | February 2020 - August 2020

- Developed versatile mobile applications for Greenway Appliances, including a robust offline mobile app tailored for use in rural areas, ensuring seamless functionality even without internet connectivity.
- Leveraged Flutter and Google Firebase to design and deploy a cross-platform mobile application compatible with both iOS and Android devices, incorporating advanced functionalities and ensuring a smooth user experience.
- Spearheaded the creation of a proof of concept (POC) for the application, utilizing Google Sheets as a database, highlighting adaptability and creative problem-solving skills in optimizing resources for initial testing and development, allowing the team to demonstrate the product's value to a client within a single day.
- Orchestrated the backend development for the Greenway Appliances web application using Node.js and MongoDB, implementing advanced security features through the integration of the Casbin library, ensuring robust data protection and user authorization, and resulting in a 99.99% uptime. Deployed the web application on Amazon AWS, ensuring scalability and accessibility. Managed the project using Trello and maintained version control with Github, ensuring efficient collaboration and streamlined development processes.
- Redesigned and streamlined the codebase, resulting in a 2.5x improvement in application speed and a 13% drop in memory usage.

Solution Architect and Software Developer | Noviga Automation Pvt Ltd. | Pune, India | November 2018 - February 2020

- Designed and developed a real-time web application, using HTML, CSS, JavaScript, Node.js, and MongoDB, which monitored the availability of industrial machines for a Varroc, Pune based client in the Indian automotive industry, resulting in a 2% reduction in downtime and a 1% increase in efficiency.
- Automated the delivery of a web application on a Raspberry Pi 3B via Python, shaving off 2 hours from the initial 5-hour manual process, resulting in a 60% decrease in development time and a 40% increase in productivity; action completed by building a Python Flask application to automate the installation process and handling servers using AWS and Azure.
- Developed an automated system downtime prediction system which used machine learning and IoT to improve system availability by 3% whilst reducing downtime costs by 2%.

Software Developer | UNI | New Delhi, India | June 2018 - November 2018

- Handled servers for the company's website using AWS technologies such as EC2, Route 53, S3, and Lambda, allowing the site to process 200,000 users per day.
- Developed an SEO plan and improved the website ranking on Google by adding keywords, meta tags, and alt text to the website, resulting in a significant improvement in the ranking of the website on Google, from page 12 to page 1.
- Created Server-less Image Optimization Service on AWS for 83% more performance and 82% less cost using S3, Lambda, and CloudFormation.
- Improved the platform's interface by finding and resolving bugs using Angular and CSS, improving the overall user experience.
- Implemented a B2B platform for hosting and launching competitions, which increased revenue by 40.2% and reduced hosting costs by 49.3%.

EDUCATION

Bachelor of Engineering - BE, Computer Science and Engineering | Rajiv Gandhi College of Engineering and Research | Minor in Computer Science Engineering | Nagpur | 2017

XII (Senior Secondary), Science | Maharashtra State Board Of Secondary And Higher Secondary Education | Pune | 2013

CERTIFICATIONS

IBM Automation: Compass | IBM | 2021

The IBM Way | IBM | 2021

Certified Ethical Hacker (CEH) - Training and Certification Course | Unisoft Technologies Nagpur | 2016

Certificate of Completion: PHP, MySQL, CSS, HTML, JS, JQuery, Bootstrap, Adobe DreamWeaver and Photoshop Course | Government Polytechnic, Nagpur | 2015

SKILLS

Interpersonal Skills: Leadership, Management, Problem Solving

Languages: English, Hindi, Marathi

Technical Skills: Node.js Ecosystem, JavaScript (including ES6+), TypeScript, Code Documentation, Code Testing (TDD), Containers (Docker), Cybersecurity, Microservices, Cloud Platforms (AWS, GCP, Kubernetes, RedHat OCP, OpenShift), Python, MongoDB, Redis, GIT (Source Version Control), CI/CD Pipelines (Jenkins, Codefresh), AWS (Amazon Web Services), Elastic Search/AWS OpenSearch, Relational Databases (SQL), React (including React Native), Angular, jQuery, Asynchronous Request Handling, Web Markup (HTML5, CSS3), Responsive Web Development, CSS Pre-processing (LESS, SASS), Front-End Frameworks (Tailwind, Bootstrap, Material Design), Back-End Frameworks, Database Technologies, Software Architecture, C++, Multithreading, Socket Communication, Unix/Linux/Windows Systems, CI/CD (Continuous Integration/Continuous Deployment), RESTful Web Services, DevOps, Helm, Kafka, Redis, GitHub, Kubernetes, API (including gRPC), Rust, WordPress, Sass / LESS, Photoshop, Sketch, Version Control (GIT), BEM Methodology (Naming Convention), Cross-Browser Compatibility, Software Engineering, Backend Services, Python, GO, Object-Oriented Programming (OOP), REST APIs, Open API