

VIKASH SINGH

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MS in Computer Science candidate at Illinois Institute of Technology with 2.5+ years of experience as a Programmer Analyst and Full-stack Developer. Adept in various programming languages, I offer a fusion of academic excellence and practical skills to make impactful contributions to software engineering roles

WORK EXPERIENCE

Cognizant Technology Solutions

Pune, Maharashtra, India

Programmer Analyst

December 2020 – December 2022

- Maintained Git version control workflows, participating in hot fix Docker image upgrades in Production and Lower-Level Environments. Developed deployment scripts for consistent, rapid, and error-free application rollouts
- Orchestrated Kubernetes pod management across diverse environments, monitoring Azure-based Kubernetes clusters. Engaged in database activities and version upgrades for a highly stable and efficient system. Exhibited robust knowledge of AWS services—EC2, S3, RDS, IAM—contributing to effective cloud infrastructure management. Leveraged familiarity with Terraform and Kubernetes to optimize system configurations and deployments
- Integrated advanced monitoring tools such as Datadog and CloudWatch for real-time visibility into system performance. Utilized insights to drive continuous improvement and boost system efficiency, contributing to a more agile and efficient development lifecycle

Propeers Info

Panchkula, India

Software Engineer

July 2020 – December 2020

- Leveraged React.js to architect and build scalable, interactive web applications, providing users with dynamic and responsive interfaces. Seamlessly integrated front-end applications with Node.js backend services, optimizing data flow and ensuring a smooth end-to-end user experience
- Played a key role in creating and maintaining a shared React component library, improving code reusability, and streamlining development across multiple projects
- Employed React optimization techniques, such as virtual DOM manipulation, to improve application performance and decrease rendering times by 40%

SKILLS

- Programming Language: Java, C++, Python, JavaScript, Dart
- Database: MySQL, PostgreSQL, MongoDB
- Web Technologies: Express.JS, NodeJS, React, jQuery, CSS (Bootstrap, Tailwind), HTML
- Cloud Technology: Microsoft Azure, AWS
- Others: Linux, Docker, Kubernetes, Git, Flutter

LEADERSHIP ROLE

- Senator, College of Computing, Student Government Association | Illinois Institute of Technology | May 2023 - Present
- Tech News Writer | Illinois Institute of Technology | March 2023 - Present

EDUCATION

Illinois Institute of Technology

Chicago, IL

Master's in Computer Science | GPA: 3.3/4

January 2023 – December 2024

Relevant Coursework: Advanced Database, Software Project Management, Big Data Technologies, and Computer Networks, Mobile Application Development, User-Centered Design

PROJECTS

- **Real Estate Management System** – Academic Project Developed a robust real estate management system incorporating API functionalities for efficient property rental. Categorized users as agents or renters through email addresses, utilizing APIs to oversee user details, rental preferences, and secure credit card information. Implemented dynamic property categorization based on type, location, and pricing for increased system flexibility
- **Password Manager**: Designed and implemented a secure web-based password manager using HTML, CSS, and JavaScript. Enabled users to store and efficiently login credentials