SHEKHAR KAUSAL

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May 2024 graduate seeking Full-Time Opportunities

EDUCATION

3.70/4.0 **Master of Science in Computer Science**, *Illinois Institute of Technology* | Chicago, IL *2022 - 2024*
3.74/4.0 **Bachelor of Computer Applications**, *Bharati Vidyapeeth* | Pune, MH *2017 - 2020*

Courses: Cloud Computing, Mobile Application Development, Big Data Technologies, Enterprise Web Applications, Database Organization, Object Oriented Programming, Data structures and Algorithms, Statistics.
Achievements: Winner @ **Intelligencia Competition** (IIT - Gems, BVDU) | Two time Finalists @ Techno Competition (IIT - Gems, BVDU)

SKILLS

Programming	**Java**, C#, C / C++, Bash, **JavaScript**, PHP, Swift, Kotlin, **Python**
Cloud	GCP, Chameleon, **AWS Certified Cloud Practitioner** (Route53, EC2, IAM, RDS, VPC, Lambda, CloudWatch, S3).
Frameworks	**AngularJS**, HTML, Spring MVC, Spring Boot, JSP, **Servlets**, Hibernate, **ReactJS**, JSON, **NodeJS**.
Database	**MySQL,** SQL Server, Oracle DB, **PostgreSQL**, NoSQL, Apache Hadoop, Spark, Hive, **MongoDB**.
Tools	Kibana, Dynatrace, VirtualBox, **Git, GitHub**, UNIX/LINUX, **Android Studio**, Postman, **Jenkins**, Kubernetes, Docker

EXPERIENCE

Amdocs, *Software Developer* | Pune, MH | 3+ years *June 2019 - July 2022*
- Implemented REST web APIs and developed multiple microservices using the Java Spring Boot Framework.
- Efficiently optimized and improved existing complex systems, enhancing their performance and reliability, which led to an **80%** increase in productivity.
- Improved code quality and testing coverage transitioning to Amdocs APIs, leading to a **30%** increase in orders and maintaining a robust **99%** website uptime.
- Designed and implemented **CI/CD** pipelines to deploy containerized applications using **Jenkins**, Python, Docker, and **Kubernetes**, reducing manual intervention by **80%**.
- Designed and developed databases from scratch using SQL and managed various database components for the services.
- Collaborated with an Agile team across **4+** application domains of Vodafone Italy.
- Partnered with frontend developers to ensure seamless integration between frontend and backend applications.
- Regularly engaged with clients to understand evolving requirements and address challenges, ensuring a responsive and client-focused development process.
- Awarded **Employee of the Month (Dec '21)** for exceptional performance and managing client relations.

Illinois Institute of Technology, *Teaching Assistant* | Chicago, IL | 1+ year *January 2023 - May 2024*
- Worked as a Teaching Assistant under Prof. Yousef Elmehdwi for **CS 425** - Database Organization, Prof. Farshad Ghanei for **CS 201** - Accelerated Introduction to Computer Science, and Prof. Xian-He Sun for **CS 553** - Cloud Computing.

ACADEMIC PROJECTS

Health Plus

Java | Apache Tomcat | Servlets | JSP | MySQL | Google APIs | HTML5 | MongoDB
- Developed a web application leveraging Google Places API and Google Geolocation API to showcase health-related institutions based on users' current locations.
- Enabled users to establish personalized health profiles and seamlessly schedule appointments with hospitals, clinics, and other medical facilities.
- Integrated an autocomplete search feature to facilitate convenient exploration of nearby establishments.
- Facilitated access to Google ratings and reviews, allowing users to contribute their own feedback, stored in MongoDB.
- Provided users with direct links to institution websites, map locations, and contact details within the portal.

Mobile Application Development

Java | Android Studio | XML | Firebase | Google API's | Retrofit | Kotlin
- Created (6) Android applications with 8+ activity pages: News Aggregator for (10+) broadcasting channels, categorized for business, sports, Weather App, Civil Advocacy for information on political candidates, Notes App, etc.

Online Book Store

Java | AngularJS | PostgreSQL | Apache Tomcat
- Created an internet-based library platform that enables users to conveniently rent or purchase books, leading to a substantial 40% boost in overall sales.
- Librarians have the capability to include or remove books, as well as oversee customer management and impose penalties for overdue books.

Smart Homes

React | NodeJS | MongoDB | MySQL
- Developed an e-commerce platform for smart home appliances utilizing React for frontend and NodeJS for backend.
- Implemented features allowing users to make online purchases with the choice of either delivery or in-store pickup.
- Enabled users to both write and peruse reviews for appliances, with the feedback securely stored in MongoDB.
- Utilized MySQL to manage and store transactions, user information, store details, order specifics, and other relevant data.