

# Siddhant Kohli

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## SUMMARY

Experienced full-stack developer skilled in designing, integrating, and implementing diverse solutions with various programming languages. Proficient in software development, algorithm creation, and building scalable applications throughout the SDLC.

## EDUCATION

**M.S in Computer Science Engineering (Information Systems)** | Northeastern University, Boston **Expected May 2023**

Relevant coursework: Network Structures & Cloud Computing, Web Development Tools & Methods, Advanced Big Data Indexing

**Bachelor of Technology in Civil Engineering** | Delhi Technological University, Delhi, India **May 2019**

## TECHNICAL SKILLS

Programming Languages:	Java/J2EE, Python, JavaScript (ES6), C, C#, jQuery, PHP, Go, Typescript, GraphQL
Web Technologies:	React, Angular, WordPress, Nodejs, Redux, Express, Bootstrap, AJAX, HTML, CSS, RabbitMQ, XML
Frameworks:	Spring MVC, Spring Boot, Hibernate
Databases:	MySQL, MongoDB, DynamoDB, SQL Server, PostgreSQL, Redis, Oracle, Hadoop, Pig, HBase, Hive, Mahout
DevOps:	AWS, Docker, Chef Kubernetes, Maven, Ansible, Jenkins, Helm, Cloud Formation, Terraform
Others:	Tableau, Power BI, Selenium, Git, Shell Scripting, JMeter, Jira, JUnit, Webpack Apache Tomcat, Linux, Amazon Web Services, NetBeans, Visual Studio, Postman

## PROFESSIONAL EXPERIENCE

**Software Engineer at CSOFT International | Boston, MA** **May 2022-Aug 2022**

- Developed APIs in an Agile environment by migrating JSON from GMS Cloud (PHP) to Ubrta (Spring MVC) to automate user signup process, thereby increasing website scalability and client-interaction by 12%
- Refactored SQL queries by performing database defragmentation, creating materialized views, and enhancing stored procedures on disparate client data set, thereby increasing loading speed by 70%
- Streamlined approval process by mapping client contracts through client-schema normalization
- Investigated client data in Tableau and Power BI to determine customer patterns and assisted marketing and sales team by recommending enhancements, resulting in an increase of active users by 33%
- Built infrastructure using AWS CloudFormation template to automate file archiving to S3 buckets by utilizing Amazon Java SDK and REST APIs, thereby reducing report regeneration and saving developer hours by 20%

**Technical Account Manager at Hilti | Delhi, India** **Sept 2019-July 2021**

- Utilized active customer engagement and achieved quick turnaround times to secure a top 5 performer award for 2020-21 by working closely with cross-functional teams and consistently delivering high-quality results each month
- Evaluated product potential and provided stakeholder recommendations through data analysis and competitive research. Achieved a 30% reduction in developer rework by overseeing requirement gathering
- Managed escalations related to project deliverables, schedules, and resources, which involved resolving conflicts within project team and mentored team members to ensure successful project completion

**Academic Experience**— Teacher's Assistant for INFO 6205: Program Structures & Algorithms (Spring 2023)

## ACADEMIC PROJECTS

**Real-time IOT Data Processing and Analysis** (Python, Angular, Terraform, Kafka, Athena, S3) **Jan 2023- March 2023**

- Collaborated and formulated a data pipeline using AWS services such as S3, Glue, Lambda (serverless), Kafka, and Athena to process real-time multiple sources IOT things data generated using Python Scripts by connecting stream to IOT core
- Created a secure Angular web application to provide a user interface for data visualization and analysis
- Improved data storage and retrieval efficiency by enforcing data schema using Glue and optimizing Athena queries, resulting in faster response times and reduced cost

**Cloud Gateway Service** (Spring Boot, Hibernate, MySQL, CloudFormation, S3, SES, CloudWatch) **Oct 2022- Dec 2022**

- Constructed and hosted a secured three-tier microservice architecture for RESTful API using Spring Boot and OAuth2
- Designed a CloudFormation template to utilize IaaS services such as VPC, Subnets, EBS, EC2, RDS, S3, ELB, SES, CloudWatch, Route53, ALB, IAM Roles, SES, SNS, Lambda functions, DynamoDB and Security Groups
- Deployed infrastructure using CloudFormation, automated CI/CD pipelines using GitHub Actions to trigger Packer AMI builder & Code Deploy actions

**Course Room Website** (React JS, Node JS, SASS, JavaScript, AJAX, HTML, MongoDB) **Nov 2021 -Dec 2021**

- Developed an interactive e-Learning platform with introduced security features such as password encryption, user authentication using JWT token, Bcrypt for session token storage, and notification services for user support
- Leveraged REST APIs to fetch relevant tutorials via YouTube JS and unified email service on successful course registration