# Sneha Patil

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## EDUCATION

**MS in Software Engineering,** San Jose State University (GPA 3.55/4.0)          *Jan '19 - Dec '20*
**BS in Computer Science,** Poojya Dodappa Appa College of Engineering (GPA 3.56/4.0)          *Aug '12 - May '16*

## PROFESSIONAL EXPERIENCE

**Software Developer**                                                              *Feb '21 – Present*
*Ernst & Young LLP*                                                              *San Antonio, Texas*

-   Designed and developed microservices using Java Spring Boot with data persistence in CassandraDB.
-   Fabricated event and API protos to transfer messages on Kafka event bus for downstream users.
-   Accountable for end-to-end development, unit testing and running bugfix patrol in DEV/QA/TST env.
-   Received appreciation from client for efficient adaptation to critical timelines and delivering quality results.
    Tools & Technologies – Java, Spring Boot, Kafka, GRPC, CassandraDB, JUnit, Google Protocol Buffers(Protobuf)

**Software Engineer**                                                              *Jun '16 – Dec '18*
*Cognizant Technology Solutions*                                                  *Bengaluru, India*

-   Implemented Physical MDM EJB services and created smoke testing suits for end-to-end testing.
-   Reduced developer interdependency and improved productivity by 20% with a data extension service enabling direct customer data access to SOA developers.
-   Developed frontend using HTML/CSS for a platform that enables Data Stewards to retrieve customer information with 30 sec lower response time over traditional mechanism.
-   Trained and supervised new team members resulting in quality deliverables and consistent client satisfaction.
    Tools & Technologies – Java, IBM Infosphere, MDM Workbench, RAD, Hadoop, Hive, MapReduce, Sqoop, SQL Server

## ACADEMIC PROJECTS

**OpenHome - A home sharing web application**                                      *Oct '19 – Dec'19*

-   Led & developed a home sharing web application using Spring MVC and React.js with 10+ management features for both user and admin like property hosting, rescheduling, and transaction management with email notifications.
-   Achieved efficient user authentication using Google OAuth, persistence using JPA via Spring Hibernate on Amazon RDS and resolved cross-cutting concerns by implementing aspect-oriented programming on service layers.
    Tools & Technologies – JavaScript, React.js, Spring MVC, Spring Hibernate, Spring AOP, Firebase, Amazon RDS

**Quora Application Simulation**                                                    *Feb '19 – Apr'19*

-   Spearheaded in designing a multi-tier, scalable, question and answer web application with REST APIs distributed across 12 servers.
-   Improved application scalability and enabled fault tolerance to sustain 10,000 concurrent users.
-   Increased application throughput by 64% and reduced latency by 48% using Redis cache, DB connection pooling and Apache Kafka.
    Tools & Technologies – JavaScript, React.js, Node.js, Express.js, MongoDB, Apache Kafka, Redis, Amazon ELB, EC2

## TECHNICAL SKILLS

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|---|---|
| Programming Languages: | Java, Python, JavaScript, C, C++ |
| Web Technologies: | Node.js, React.js, Express.js, RESTful APIs, Redux, HTML5, CSS, Bootstrap, XML, JSON, Kafka |
| Databases: | MySQL, Oracle, MongoDB, CassandraDB |
| Big Data/ML/DL: | Hadoop, MapReduce, Hive, Sqoop, Scikit-learn, NumPy, Pandas, Matplotlib |
| Cloud Tools: | Amazon AWS (S3, EC2, ELB, RDS), Azure |
| Frameworks & Tools: | Flask, Spring MVC, JPA, Hibernate, JUnit, Mocha, Git, Google Protobufs |