

Sneha Patil

San Jose, CA 95126

+1 669-231-9287

sneha.sudhakar21@gmail.com

github.com/psnehas

linkedin.com/in/snehasudhakar

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

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