

# Ameya Santosh Gidh

## SOFTWARE DEVELOPER

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### SUMMARY

- **Software Developer** with 4 years of hands-on experience in designing, developing, and deploying enterprise-level applications and software solutions across diverse industries.
- Proficient in **Python**, with expertise in building web applications, **RESTful web services**, and **microservices**, **Django**, **Flask**, and **ORM frameworks**.
- Skilled in front-end development using **ReactJS**, **AngularJS**, **HTML5**, **CSS3**, and **JavaScript**, focusing on creating dynamic and responsive user interfaces to enhance user experience.
- Proficient in database management systems including **MySQL**, **MS SQL**, **MongoDB**, and **DynamoDB**, with expertise in designing and optimizing database schemas, writing complex queries, and implementing CRUD operations.
- Skilled in cloud technologies and services such as **AWS SQS**, **SNS**, **Lambda**, **S3**, and **Elastic Beanstalk**, with hands-on experience in deploying serverless functions and scalable applications on AWS cloud infrastructure.
- Strong understanding of **Agile methodologies**, including **Scrum** and **SDLC**, with a proven track record of collaborating effectively with cross-functional teams to deliver high-quality software solutions within tight deadlines.
- Proficient in version control using **Git**, with experience in utilizing **CI/CD tools like Jenkins** for automated builds and deployments, ensuring continuous integration and delivery of code changes.
- Excellent problem-solving and troubleshooting skills, coupled with effective communication and teamwork abilities, to drive innovation, resolve technical challenges, and deliver value-driven solutions aligned with business objectives.

### SKILLS

<b>Front-End Technologies</b>	HTML, CSS, Bootstrap, Material UI, JavaScript, Typescript, React JS, Redux, React Hooks, React Native, Angular JS
<b>Back-End Technologies</b>	Python, Java, C++, C#, R, RESTful API, Webservice, Microservices, Spring Boot, Spring MVC, Hibernate ORM, .NET, Node JS, Flask, Django
<b>Methodology</b>	Waterfall, Agile Scrum, Kanban
<b>IDEs</b>	Anaconda, PyCharm, Atom, IntelliJ IDEA, Visual Studio
<b>Web Services</b>	RESTful, SOAP
<b>Databases</b>	SQL, MongoDB (NoSQL), PostgreSQL, MySQL, Neo4j, Redis
<b>CI/CD &amp; Tools</b>	Jenkins, Code Ship
<b>Testing tools</b>	Mockito, React Testing Library, Jest
<b>Cloud &amp; Deployment</b>	AWS, Docker
<b>Web Server</b>	Apache Tomcat, WebLogic
<b>Other Technical Skills</b>	Machine learning, RabbitMQ, Jira, Git, GitHub, SwaggerOpenAPI, GraphQL, SonarQube, Postman
<b>Operating Systems</b>	Windows, Mac iOS, LINUX

### EDUCATION

**Master of Science in Computer Science** - Northeastern University, Boston, Massachusetts, USA

**Bachelor of Technology in Mechanical Engineering** - Mumbai University, Mumbai, India

## EXPERIENCE

### **Software Developer | PayPal, MA**

**Jul 2022 – Current**

- Engaged in overseeing the complete software development life cycle (SDLC) leveraging Unified Modeling Language (UML), which involved requirement gathering, conceptual design, analysis, detailed design, and development phases.
- Implemented template-driven forms in Angular to handle user input and form submissions, ensuring a streamlined user experience for data entry and validation.
- Implemented RESTful APIs using Python and its frameworks to enable communication between the frontend and backend components of the application. Utilized endpoints to perform CRUD (Create, Read, Update, Delete) operations on financial data stored in the backend database.
- Integrated Amazon CloudFront, to cache and deliver static assets and dynamic content to users with low latency and high transfer speeds, enhancing the performance of the financial application.
- Utilized PostgreSQL for storing and managing financial data, transactions, user information, and application metadata.
- Deployed Apache Kafka clusters in a distributed, fault-tolerant manner across multiple nodes and data centers, using Kafka's partitioning and replication mechanisms to achieve horizontal scalability, high availability, and fault tolerance.
- Implemented user authentication and authorization using Django's authentication system, including features such as user registration, login/logout, password management, and user permissions.
- Reviewed SonarQube reports to identify and prioritize code issues and technical debt, addressing critical issues and refactoring code to improve readability, maintainability, and performance.
- Followed agile methodologies, conducting daily stand-ups and bi-weekly sprint planning sessions.

### **Software Developer | Accenture, India**

**May 2019 – Aug 2021**

- Worked on the design and development of a robust customer relationship management (CRM) system using Python for back-end logic and Angular for dynamic front-end rendering.
- Integrated SQLAlchemy, for streamlined database operations, achieving a 20% reduction in query response time, and enhancing overall system performance.
- Managed distributed data across microservices, employing techniques such as event sourcing and asynchronous communication for efficient data handling.
- Utilized Flask to develop the web layer of the CRM system, facilitating the creation of RESTful APIs and managing HTTP requests and responses.
- Employed machine learning algorithms to optimize pricing strategies based on market demand, competitor pricing, and customer behavior and by continuously analysing pricing data and external factors, the CRM system could adjust prices dynamically to maximize revenue and profitability.
- Developed a predictive analytics model using machine learning techniques to forecast customer churn, allowing the CRM system to proactively identify at-risk customers and improve retention strategies.
- Combined SOAP (Simple Object Access Protocol) for communication with legacy systems, ensuring interoperability and data exchange in a structured manner.
- Used React's useEffect hook to perform asynchronous operations, such as fetching data from the back-end APIs or handling user interactions.
- Configured Cross-Origin Resource Sharing (CORS) using Flask-CORS, to enable secure communication between the CRM system and client-side applications running on different domains.
- Implemented Git for version control and established robust Continuous Integration/Continuous Deployment (CI/CD) pipelines with Jenkins leveraging Python scripts for automation, resulting in a 50% reduction in deployment errors.