Chinmay Ashtikar

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Education

Master of Science, Software Engineering Systems (**GPA: 3.67**)

Northeastern University, Boston, Massachusetts   May 2023
- Coursework: Object Oriented Programming, Data Structures, Design Patterns, Web Development, and System Design

Bachelor of Technology, Computer Science and Engineering (**GPA: 3.5**)

Vellore Institute of Technology, Vellore, India   April 2021
- Completed 12 technical projects with 2 research papers in Artificial Intelligence and Machine Learning

Technical Skills

Languages: Java, JavaScript, Python, MongoDB, CSS, SQL, React.JS, Node.JS, Angular.JS, Typescript, SQL, C#
Frameworks: .NET, Spring, Hibernate, Serverless, Amazon Web Services, J2EE, Docker, Kubernetes

Professional Experience

Software Engineering Co-Op   May 2022 – December 2022

Aliaswire, Boston, Massachusetts
- Developed scalable RESTful APIs in Node.js and built a React application with MySQL for the API to override merchant onboarding thereby cutting down operation's time by over 10 hours each week
- Created user-friendly interfaces using ReactJS and containerized application using Docker and Kubernetes, and deployed them on cloud creating CI/CD pipelines
- Engineered a robust script using Java Selenium to automate a comprehensive suite of 150 regression test cases for client-facing bills management application, reducing the time required for QA from 2 hours to 10 minutes

Software Engineering Intern   May 2020 - August 2020

Seven Ribbons Pictures, India
- Designed an intuitive dashboard to display key employee metrics and record real-time stock data using React Hooks, Redux and MongoDB providing stakeholders with real-time insights and facilitating data-driven decision making
- Developed and deployed a high-performance API Server using Java, significantly enhancing image compression, and boosting image loading speed by 60%
- Successfully executed the implementation of an API rate limiter in Java to regulate request volume, resulting in a 30% reduction of infrastructure costs and enhanced the fault tolerance of the application

Software Engineering Intern   May 2019 - August 2019

RV Web, India
- Proactively led the backend integration of the android app in Java utilizing MySQL database, successfully integrating push notification services through Google Firebase to deliver real-time notifications to end-users
- Redesigned API implementations by facilitating caching strategies and payload limiting to achieve lesser latency by 20% and configured the ELK Stack for Log management within EC2 and Elastic Load balancer for Elastic Search

Projects

Netflix Clone, Web Development
- Created custom Netflix clone utilizing React, Node.js, Redux for state management and deployed multiple open-source APIs to increase website functionality and ensured security with session management and email verification
- Engineered backend logic on website that included Stripe payment API and utilized React Firebase to manage content database, and implemented Redux to store user data locally and securely across all requests

E-Commerce Spring Boot Application, Enterprise Software Design
- Developed a J2EE application utilizing Spring Boot, Spring Web, Hibernate, Servlets, JSP, and JUnit for an E-commerce model performing CRUD operations to serve admin and user roles
- Implemented JavaEE best practices (MVC, DAO), OOPS authentication, routing concepts, and design patterns like Singleton, Factory, Adapter, etc. ensuring 100% code modularity and testability in microservices architecture

Microservices Architecture, Cloud Computing
- Optimized Java Spring serverless application by deploying on AWS Lambda, reducing resource usage & associated costs by 70% and leveraged Azure AD authentication, strengthening platform safety and security
- Spearheaded DynamoDB configurations enabling efficient data storage, data retrieval with low latency and set up CloudFormation infrastructure through bash scripting for streamlined deployment