

Sandesh Sampath Kumar

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Software Developer

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EDUCATION

Northeastern University, Khoury college of Computer Science (Boston, USA)	Expected 05/26
Masters of Science in Computer Science	GPA: 4.0/4
Jyothy Institute of Technology (Bangalore, India)	Aug 2021
Bachelor of Engineering in Computer Science and Engineering	CGPA : 8.6/10

SKILLS

Programming Languages	C#, Java, JavaScript, Typescript, R, Python, C
Back End Technologies	.Net Core, Spring Boot, Entity Framework Core, REST API , Micro services, Sql, NoSql
Front End Technologies	Angular, React, HTML, CSS, Nodejs, Bootstrap
Cloud Technologies	AWS RDS, EC2, Redis Cache, Service Bus, Storage Account, API Management, App Insights
Automation Testing Tools	Xunit, JUnit, Moq, Fluent Assertions, Auto Faker, Mockito

TECHNICAL EXPERIENCE

.Net Developer Thoughtworks Bengaluru, India	Sep 2022 - Aug 2024
<ul style="list-style-type: none">Architected and developed scalable backend applications using .NET Core, RESTful APIs, and Hosted Services on Azure, adhering to Object-Oriented Design and SOLID principles. Leveraged Docker and Kubernetes for enhanced scalability and streamlined deployment processes.Improved application throughput by 3x through advanced parallel programming, effective caching strategies, optimized stored procedures, and efficient data structures, resulting in significantly higher performance.Led the development of 15+ features from inception to deployment, collaborating with solution architects, team leads, and clients to deliver robust solutions.Applied Extreme Programming (XP), clean code principles, Test-Driven Development (TDD), and pair programming, leading to superior code quality and better team collaboration.Achieved over 90% code coverage with comprehensive unit, integration, and other automated testing techniques, enhancing code reliability.	
Full Stack Developer Tata Consultancy Services Bengaluru, India	Aug 2021 - Aug 2022
<ul style="list-style-type: none">Designed and developed a highly responsive banking website using the Angular framework, HTML5, CSS3, and TypeScript/JavaScript, creating a modern, intuitive user experience.Demonstrated proficiency in handling Observable, HTTP Modules, and Form Modules, streamlining data retrieval processes and improving application performance.Built and maintained REST APIs with Spring Boot, Spring JPA, and Hibernate (ORM), reducing response time by 20% and ensuring data consistency and integrity.Collaborated in a cross-functional team of 8+ members to integrate essential application features, ensuring seamless functionality and enhancing the user experience.	

PERSONAL PROJECTS

Image Processing App	Sep 2024 - Dec 2024
<ul style="list-style-type: none">Developed a Java-based image processing application supporting operations like sharpening, blurring, and color correction with customizable workflows.Utilized design patterns such as Factory Method, Builder, Adapter, Visitor, and Command for a modular, scalable architecture.Adhered to SOLID principles, Interface Segregation, and clean code practices, with robust automated testing to ensure reliability and performance.	
Abacus Competition App	Aug 2020 - Jan 2021
<ul style="list-style-type: none">In a freelance project, I led a team of three developers to build an Android application using Android Studio and PHP, enabling students to take online mock tests and participate in competitions.Managed server deployment on AWS, oversaw requirement gathering and grooming, and guided technical implementations through proof-of-concepts (POCs).The app was available on the Google Play Store and served more than 500 students.	

ACHIEVEMENTS

On The Spot Award - TCS (2022) : Recognized for delivering high-quality solutions under tight deadlines.	2022
Best outgoing student -Jyothy Institute of Technology (2021) : Honored for academic excellence and leadership.	2021
Gameathon Champion – JIT (2020) : Led a team to win 1st place in a Game Development Hackathon.	2020