Deepak Sundar Narayanan

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Education

Master of Science, Software Engineering Systems	Expected May 2025
Northeastern University, Boston, MA	GPA: 3.56

Course Included: Concepts of Object-Oriented Design, Web Design Engineer, Enterprise Software Design, Program Structures And Algorithms, Network structure and cloud computing

Bachelor of Electrical and Electronics Engineering	Sep 2020
St. Joseph's College of Engineering, Chennai, India	GPA: 3.2

Technical Skills

Programming Languages: C, Python, Java, JavaScript, TypeScript, C#
Database: SQL, MongoDB, PL/SQL,MySQL
Cloud: AWS, Azure, Docker, EC2, ECS, ECR, CodePipeline, CodeDeploy, CodeBuild, Azure Devops, Kubernetes
Tools: Git, Postman, Jenkins, Ansible, Gitlab, GitHub, GitHub Actions, Swagger, Shell, Linux.
Web Development: React.js, Node.js, HTML, Spring, SASS, Angular, Redux, Bootstrap, Microservices, Express.js
Certificates: SAFe for DevOps(Jan 2023), Infosys Certified Spring REST Developer(April 2023), SAFe5 Practitioner – Agile(Mar 2023)

Work Experience

Senior Systems Engineer	Jan 2023 – July 2023

Infosys, Chennai, India
- Developed Junit and Mockito test cases, ensuring robust coverage of the new Feature involving UDP and XML
- Developed an innovative feature harnessing the power of UDP protocol for sending XML files through SOAP services and represented as Scrum Master for a team
- Integrated new endpoint to an existing application by through REST services, employing Test-Driven Development to ensure systematic testing and code reliability

Systems Engineer	Aug 2022 - Dec 2022

Infosys, Stockholm, Sweden
- Utilizing EJB framework to build a new batch processing job which was 40% faster than the existing job
- Worked on altering the access resource in a RESTful architecture for a micro-service architecture application
- Rectified and effectively addressed a priority 2 incident by delivering both a both immediate temporary solution and a comprehensive permanent fix within a short duration of time

Systems Engineer	May 2021 - July 2022

Infosys, Chennai, India
- Enhanced the application by resolving more than 100 production incidents and 10 production bugs related to java and pl/sql
- Coordinated with DBAs in order to execute the scripts in the production database.

Projects

Nammabnb, Northeastern University	Nov 2023 - Dec 2023

- Designed and developed a full-stack application enables the user to list and book the property for both long term and short term
- Boosted security of the payments by integrating Stripe API to the application
- Integrated the OpenStreetMap API to not only display precise property locations but also to enhance the accuracy during property searches and cloudinary CDN to efficiently store user images
- Tech Stack used: React, Next.js, Nodejs,MongoDb, Prisma, HTML, tailwindCSS

Vimaan Airline Management, Northeastern University	Nov 2023 - Dec 2023

- Built a java application dedicated to the booking and management of flights.
- Executing the project requirements that dictated exclusive JAVA usage, implemented the frontend using Java Swing
- Incorporating all Java essentials- multi-threading, collection framework, Stream APIs and file handling through CVS files in the backend for robust integration.

Capstone project, Infosys	Oct 2021 - Nov 2023

- Built a UI of a payment page for an existing application by using Angular, Typescript, HTML and CSS
- Utlilized Java and SpringBoot to construct the back end of the payment page, ensuring seamless integration

Portfolio Website, Personal	Jan 2024 - Jan 2024

- Designed and developed a Single page web application from the tech stack learned coursework Web design and User Experience
- Used Api to fetch the data from the json for retrieving the work experience and the project information instead of hard coding
- Tools used: React, Swagger, Node.js, Postman, HTML, CSS, SCSS

Portfolio Website, Personal	Nov 2023

- Designed and developed a Single page web application personal website to reinforce concepts of frontend technologies and become familiar with the MVC structure
- Utilized tools would be vanilla JavaScript, HTML, CSS and CSS