

SILPA VIJAYAN GEETHA

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SUMMARY

Dedicated and highly motivated graduate student with 4 years of hands-on experience as a proficient software engineer, actively seeking full-time opportunities to leverage my robust technical expertise.

PROFESSIONAL EXPERIENCE

Frontend Engineer, 3UM

June 2024 -Present

- Developing responsive and user-friendly websites using modern frontend technologies.
- Collaborating effectively with cross-functional teams to deliver high-quality projects.
- Continuously exploring and integrating new tools and methodologies to enhance development processes and improve user experiences.

ReactJS | Typescript | NextJS | Hygraph | GraphQL | React Admin

Software Engineer Intern, Diaconia

June 2023 – Aug 2023

- Collaborated with a team of four, designed and built "Talk to Your Document" chat application leveraging AWS infrastructure for seamless document upload and query resolution.
- Implemented prompt engineering to retrieve relevant responses based on user queries within documents

Streamlit | AWS Lambda | AWS S3 | Elastic Container Registry | Docker | Langchain | Open AI | Pinecone

Senior Software Engineer, IBS Software (IBS)

Apr 2019 – Nov 2021

- Contributed to the "iCargo" project which is an air cargo management platform.
- Spearheaded the development of dynamic web pages that optimized cargo check-in services and revamped the old web pages using **React Redux** and **Struts Framework**
- Played a key role in debugging, resolving software defects, and ensuring reliability of the applications.
- Contributed to the iCargo Android app development as well using **React Native** and bug fixing.
- Maintained consistent project delivery meeting deadlines and ensuring client satisfaction throughout the project lifecycle.

Oracle | JavaScript | ReactJS | Java | JSON | React Native | Struts

Software Engineer, National Informatics Centre (NIC)

Nov 2017 – April 2019

- Collaborated on the "Secure" and "Price" project, a web-based government application for precise cost estimation and project approval.
- Built and implemented specialized software solutions using Spring Framework, facilitating in-depth cost analysis and improving efficiency in industrial processes.

jQuery | JavaScript | Java | JSON | Spring | Postgres

SKILLS

Programming Languages: C#, Java, Python, PHP, TypeScript

Web Technologies: Flask, JavaScript, jQuery, HTML5, CSS, AJAX, Tailwind

Databases: SQL, PostgreSQL, Oracle, Pinecone, Hygraph

Frameworks: React JS, React Hooks, Redux, React Native, TypeScript, jQuery, Node JS, Bootstrap, Laravel, Rest API, SOAP API, Struts, Spring, MVC, Hibernate, Django, NextJS, React Admin

Cloud Technologies: Microsoft Azure, Amazon Web Services (AWS), Google Cloud(GCP)

Others: Git, Bitbucket, Design Patterns, Jenkins, JBoss, LaTeX, Gradle, Maven, SVN, Jira, Figma, Linux, Office 365, Agile, Scrum, SDLC, Open AI, Langchain, LLM, Devops Tech – Docker & Terraform, AWS Lambda, AWS API, AWS ECR, Microservices, Junit, Mockito, Redis, Visual Studio Code, IntelliJ, Streamlit, Hashicorp

EDUCATION

Master of Science in Computer Science

The University of Texas at Arlington, Texas

Dec 2023

GPA:3.9/4

Master of Engineering in Computer Science

Kerala University, India

Apr 2017

GPA:3.7/4

Bachelor of Engineering in Computer Science

Kerala University, India

Apr 2015

GPA:3.5/4

ACADEMIC PROJECTS

- **DSC-BD System**
An application to detect botnet/malware on continuous data streams using a data stream clustering algorithm. HTML | CSS | ASP.NET | C#
- **One-Mart**
An application for students for forming clubs, buying/selling products, creating posts etc.
React | React Hooks | PHP | Laravel
- **Online test application using AWS**
An timer based online grading system with an admin, tutor and student. Deployed and tested using 3 AWS instances for security, one for each user.
AWS | Python | Flask | HTML | CSS | JavaScript | MySQL
- **AWS Data Repository Performance (Redis and SQL Database)**
To compare performance on SQL tables and from Redis: creating, querying, modifying data (tuples).
AWS | Python | Flask | HTML | CSS | JavaScript | MySQL

ACHIEVEMENTS

- **Best Paper Award:** Won Best Paper Award for "Data Stream Clustering for Botnet Detection" at IEEE ICSNS 2018.
- **Spot Award for Excellence in Performance:** Won Spot Award for iCargo project at IBS, 2020.