K.Chathura Priyadasun

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in Chathura Priyadasun

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About Me

As an IT undergraduate, I am passionate about software engineering, system design, cloud computing, and DevOps engineering. Eager to apply my academic and practical skills in real-world contexts, I aim to learn from industry professionals and contribute to impactful solutions. With a solid foundation in software engineering and leadership experience, I am prepared to adapt and collaborate effectively to meet organizational needs. Equipped to make significant contributions to any organization.

Education

2022 – present	**B.Sc. (Hons) in Information Technology - University of Moratuwa** CGPA: 3.57
2016 – 2020	**Advanced Level - Biological Science - Mahinda College, Galle** *District Rank - 56 (Old Syllabus).* Biology: A Chemistry: B Physics: B
2019	**Diploma in Information Technology - Esoft Metro Campus**
	Diploma in Hardware Engineering and Networking- Esoft Metro Campus

Technical Skills

Programming Languages	C, Java
Web Development	HTML, CSS, JavaScript
Front-End Technologies	ReactJs, AntDesign, Bootstrap, Tailwind CSS
Back-End Technologies	NodeJs, ExpressJs
Databases	MongoDb, MySql, MSSql
DevOps Tools	Jenkins, Ansible, Docker, Maven, SonarQube, Git, GitHub
AWS Tools	EC2, Route53
Version Control	Git
Project Management	GitHub, Jira
Operating Systems	Windows, Linux

Projects

2023 – 2024

Game Sync Pro - Cricket Management System

ReactJs | AntDesign | NodeJs | ExpressJs | MongoDb

Discription

In my second-year project, mentored by BISTEC Global, I led API development for seamless front-end to back-end communication. Responsibilities included crafting dashboards, admin panels, and features like cricket match fixtures and player profiles.

Codebase : GitHub   **Demo :** Linked-In

11/2024

Handfree - E-commerce platform for Apple product Store

ReactJs | Tailwind CSS | NodeJs | ExpressJs | MongoDb

Discription

I worked as a front-end developer to build an e-commerce store for Apple products. I created responsive landing pages, dynamic navigation bars, product search features, category pages, product filters, order pages, sign-in drawers, and profile pages using React.js and Tailwind CSS. I connected the front end to the back end to fetch data for dynamic product searches, filters, and navigation. My focus was on making the website user-friendly, fast, and visually appealing on all devices.

Codebase : GitHub   **Demo :** Linked-In

12/2023

G.U. Language Centre Student Record System and User Registration Form

React-Vite | AntDesign | NodeJs | ExpressJs | MongoDb

Discription

Collaborated with a colleague to create a student record system for G.U. Language Academy, enhancing Cambridge English exam preparation. The system is hosted on Amazon EC2 with HTTPS for secure access. Key administrative features include comprehensive student management and payment tracking, improving operational efficiency and accuracy.

Codebase : GitHub   **Demo :** Linked-In

10/2023

Website for a USA-based children's story writer

React-Vite | AntDesign | NodeJs | ExpressJs | MongoDb

Discription

We've developed a streamlined book promotion platform for our US client. Authors can upload images, list their books in detail, and manage requests, while readers can comment and engage. Our site includes separate user and admin interfaces for efficient control over administrative tasks.

Codebase : GitHub   **Demo :** Linked-In

Projects (continued)

09/2024 📕 **Wedding Planning hub - (Ongoing)**

`React-Vite` | `Tailwind css` | `Spring Boot` | `MySQL`

Discription

Developed an all-in-one wedding planning application enabling couples to search, book, and pay for services securely online, with streamlined user and admin interfaces for seamless operations.

Codebase : `Frond-End` | `Back-End`

05/2024 📕 **Java-based web project featuring a Basic CI/CD pipeline**

`Jenkins` | `Sonarqube` | `Git` | `Maven` | `Apache-Tomcat` | `AWS`

Discription

Implemented a Java-based web project with a CI/CD pipeline using Jenkins, SonarQube, Git, Maven, and Apache Tomcat. Developed with Groovy scripts for automation and hosted on AWS EC2 servers with optimized distributed build processes.

Demo : `Linked-In`

06/2024 📕 **Basic Front-End Deployment with Ansible on AWS**

`Ansible` | `Git` | `Maven` | `Apache-Tomcat` | `AWS`

Discription

Set up an Ansible and AWS automation system to deploy a front-end application. Created a Master Ansible Server and Dev/Test Servers on Amazon Linux, and developed a playbook for software installation and Apache configuration, streamlining the deployment process.

Demo : `Linked-In`

10/2024 📕 **Docker Swarm Cluster with Jenkins CI/CD on AWS**

`Jenkins` | `Git` | `Docker` | `Apache-Tomcat` | `AWS`

Discription

Deployed a Docker Swarm cluster on AWS EC2 with a manager and two worker nodes. Built a Jenkins pipeline to automate Docker image creation, tagging, and pushing to Docker Hub, and another pipeline to deploy services using Dockerfiles and docker-compose.yml, with 3 replicas for each service to ensure high availability and scalability.

Demo : `Linked-In`

2022 📕 **Bathic Wax Pattern Printing CNC Machine - Hardware**

`CNC` | `MIGRBL` | `Arduino`

Discription

Developed a CNC-based hardware project that automates pattern drawing on fabric using wax, incorporating intelligent temperature sensors to maintain the wax in a liquid state and monitor levels for continuous operation.

Demo : `Linked-In`

Achievements

2024 📕 **Finalist**, Duothan 4.0 - Organized By : NSBM Green University

Languages

Sinhala (Native)   English

Soft Skills

Team Work and Player | Leadership | Adaptability | Problem Solving | Time Management

Interests

Self Learning | Experience New Technologies | Online Selling | Exporting

References

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