VISHNUSARAN MAHALINGAM

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PROFESSIONAL INTENDS

Highly motivated Information Systems graduate with experience in designing, developing and implementing software solutions. Looking for a challenging role in a reputable organization to utilize my technical, database, management skills for the growth of the organization as well as to enhance my knowledge about new and emerging trends in the IT Sector.

PROFESSIONAL EXPERIENCE

Software developer: Nov 2024 - Now (5 months)
Check in Check out Limited - London, United Kingdom
- Primarily focused on designing UI with Figma and developing web and mobile applications using Flutter, Next.js, React.js, C#, ASP.NET Core, and AWS

Senior Application Consultant: July 2022 - Dec 2024 (2 years 6 months)
U3 Infotech Pte Ltd - Singapore
- Worked for a client called GIC (Singapore's Leading Investment company) as a contract resource, involved in developing and enhancing the applications which help automate and simplify the investment process. (C#, ASP.NET Core 3.1 /6/8, OpenAI API, Next.js, React.js, Typescript, MS SQL Server, AWS, Red Hat Openshift Containers, GitHub Ci/CD, Charles river IMS)

Software Engineer : Mar 2020 - July 2022(2 years 3 months)
Intervest Software Technologies (Pvt) Ltd - Colombo, Sri Lanka
- Developed and maintained web applications using React, Node.js, Express.js, TypeScript, MySQL, PHP, Laravel,Livewire, Alpine.js, Tailwind CSS, HTML, CSS, and JavaScript.
- Worked on projects for well-reputed UK clients, including Lymited and UK Rock Insurance, delivering scalable and high-performance solutions.
- Engaged in cloud deployment and application maintenance using AWS Cloud, Azure DevOps, and Docker, ensuring seamless CI/CD integration.

Software Engineer : Feb 2018 - Feb 2020 (2 years)
Esshva Techq (Pvt) Ltd - Colombo, Sri Lanka
- Got a rare chance to work with US NASDAQ Listed client RumbleOn as a React, C#, ASP.NET Core developer for nearly 2 years, for a few projects as one of the key resources and for one project as a co-resource

Software Engineering Internship : July 2017 - Jan 2018 (6 months)
Emagine IT (Pvt) Ltd - Colombo, Sri Lanka
- Developed Gym management web application using Node/Meteor.js, blaze.js, MongoDB, Digital Ocean and Involved in each stage of Agile Development Life Cycle which improved the quality and strengthened software productivity

EDUCATIONAL QUALIFICATION

- G.C.E Advanced Level Examination (2013)
  Combined Maths - B, Physics - C, Chemistry - C

- Bachelor of Science in Information Systems (2015 Feb - 2018 March)
  University of Colombo, Sri Lanka

TECHNICAL SKILLS

Programming Languages : C#, JavaScript, PHP

Frameworks and Technologies : ASP.NET 4.x , ASP.NET Core 3.1/6/8, Serenity

JavaScript Frameworks and Technologies : Node.JS, React.js, Next.js, Typescript, Redux, Redux Thunk

ORM: Entity frameWork 6, Dapper ORM 4.5, Sequelize 3.0

Databases : MS SQL Server, MySQL, PostgreSQL, MongoDb

IDE: Visual Studio 2019/2022, Visual Studio Code

RDMS: MS SQL Server 17, MySQL Workbench

CMS: Wordpress

PROJECT PROFILE

Industrial Projects

1. **GIC Client**
   GIC is one of the investment entities in Singapore that manages the government's reserves.
   - Developed REST APIs, React-based applications, integrating in-memory cache mechanism and websockets libraries to streamline and automate investment workflows.
   - Enhancing the existing functionality based on User's Requirements.
   - Built endpoints leveraging Microsoft Graph API to retrieve and process outlook email data

- Designed and Implemented power automate flows to post application data into Teams channel
- Perform application support to end users and handle user technical issues.
- Perform SOD and EOD health checks of the application using DataDog
- Schedule new control M jobs and setup alerts for connection failures in Datadog
- Investigate and analyse DB performance issues using solarwind DPA
- Charles river IMS application production support (L2)
  Technologies: Charles River IMS, React 17/18, C#, ASP.NET Core 3.1 /6, MS SQL Server, Jenkin CI/CD pipelines, Cloud Bee, Control M, data dog, solarwinds, Account keeper, openAI, RedHat Bento Containers, AWS S3

2. **Lymited**

Lymited is a new digital platform which offers some of the most sought after, highly investible collectibles and artwork in the world curated by experts in their fields, from vintage couture to rare sneakers, luxury jewellery to limited edition watches and artwork.
Technologies: React 16.9, Redux, Redux Thunk, Node.js 12.1, Express.js, Redis, MySQL 8, Sequelizev3, Algolia Search, Blockchain Technologies, Jest, Jenkins CI/CD, AWS EC2, SNS, S3
- Developed REST APIs for shopping cart, order, products and customer modules
- Implemented data caching using redis to reduce app response time.
- Salesforce APIs and syncing salesforce data to mailchimp
- Implemented Email service using redis based distributed queue technology (BullMQ)
- Wrote algolia search REST APIs and node commands to reindex objects and delete algolia
- objects using filters
- Wrote test suites using Jest/Enzyme framework with high test coverage and documented
- behaviour of components
- Engaged with AWS EC2, AWS S3, AWS PM2 and AWS Cloudfront

3. **Rock Insurance**

Rock Insurance group is a leading independent supplier of insurance products, technology, fulfilment and administration, providing the travel sector with smarter and more agile insurance solutions.
Technologies: PHP 8.0, Laravel, Livewire, Alpine.js, Pest, ASP.NET Core 3.1, MySQL, Redis, Azure devops, MS SQL, Docker
- Contributed to insure package development using Laravel/Livewire framework.
- Developed customer portal, medical add on, and policy amendment features.
- Wrote unit tests and integration tests using pest framework with high test coverage.
- Implemented interlocks and middlewares to protect medical add on journeys.
- Participated in code reviews and sprint review meetings with clients.

4. **Cash Offer**

Cash Offer is a web-based application and it is used by rumbleOn authorized users to review and analyze the offers which are submitted by the general public via consumer web.
Technologies: **React 16.7, Redux thunk, Elastic Search, C#, ASP.NET Core 2.0, MS SQL, AWS**

- Wrote client search queries for Elastic search, REST APIs, Stored Procedures
- Wired up REST APIs with UI and JWT token authentication.
- Wrote migration scripts for db schema changes and seeders.
- State management using redux and redux-thunk middleware
- Supported in writing unit and integration test cases to ensure proper and continuous(CI) functionality of the product using xUnit and selenium

5. **Strive (Gym management app)**

Strive is a Gym management web based application for online class bookings , customer payments, sending SMS reminders and Marketing & promotions operations.

Technologies: **Blaze.JS v1 1.8, Node 8.0, Meteor.JS v1 1.5, MongoDB**
- Involves in the Development, Setup and Testing for Strive Products and Features.
- Implemented meteor kurounin pagination and displaying paginated subscriptions using blaze.js
- Preparing and maintaining end user documentation on product features, application tuning and other configuration.

Freelance projects

1. **Healthnet Sri Lanka**

The Healthnet App gives a whole new definition to conversational e-commerce by bringing you the convenience of chatting with your own pharmacist while ordering the medicine online.

Technologies: **ReactNative, React, Redux, Node.js, Express.js, Socket.io,Mongodb**
- Developed ReactNative Components and State management using redux
- Integrated web socket with client side and wrote event handlers in server side
- Wrote File/document Upload Services and setup AWS S3 bucket
- Wrote task scheduling job using node-cron module.
- Involved deploying application using Jenkins, AWS EC2 and PM2 services

ACCOMPLISHMENTS / CAPABILITIES

- Participated and gained training on "Developing Leadership qualities and positive thinking" organized by the ministry of higher education in Sri lanka.
- Video Editing
- Blogging
- Ability to learn and adopt fast
- Strong team building and motivational skills

EXTRA CURRICULAR ACTIVITIES

- Member of IEEE university of colombo school of computing student Branch
- Member of the university of colombo computer society
- University of Colombo school of computing student union member (2016/17)

NON RELATED REFEREES

- Name: Mrs. Pranali
  Designation: Director, U3 Infotech Pte Ltd
  Address: Singapore.
  Mobile: +65 6320 1810
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- Name: Mrs. Dilini Abeygunawardane
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