Charuka Tharindhu Krishantha

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Professional Summary

Results-driven Software Engineer with a degree in IT from SLIIT and 3+ years in full-stack development. Skilled in building secure, scalable systems with a focus on performance and user experience. Experienced in Agile teams, AWS, Azure, and 24/7 production support. Eager to contribute to aviation through innovative software that enhances operations, customer service, and digital transformation.

Work Experience

Full Stack Developer – MERN   *June 2024 – Present*
NOVA Solution (Pvt) Ltd, Colombo
01. VENDERX POS SYSTEM

- Created a specialized POS system for restaurants, optimizing order management, inventory tracking, table management, payments, and reporting.
- Contributed to the development and maintenance of an admin panel and a user-facing web application optimized for tablets.
- Developed a unified backend server.
- Technologies: Node.js, Express.js, React.js, Redux Toolkit, Tailwind CSS, Material UI, MongoDB, and Amazon Web services(AWS) like Elastic Beanstalk, CodeBuild, CodePipeline, CloudWatch, Route 53, S3 Bucket, Load Balancer.

02. AMAZON, ALIBABA, AND EBAY WEB SCRAPERS FOR PLATFORM-PROFIT

- Developed and maintained web scrapers for Alibaba, Amazon, and eBay to facilitate product research for drop shippers.
- Implemented multithreading and bot detection prevention methods using rotating user-agents and pagination techniques.
- Saved all scraped product details in MongoDB and automated the scrapers to run at midnight using apscheduler.
- Technologies: Python 3.12, BeautifulSoup4, Requests 2.3, Selenium, Flask and Packages (Pymongo, random, apscheduler, threading, ThreadPoolExecutor) and AWS services like Elastic Beanstalk, CodeBuild, CodePipeline, CloudWatch, Route 53, Reverse Proxy(Nginx) S3 Bucket, Load Balancer.

Full Stack Developer - MERN (Freelance)   *Dec 2023 – June 2024*
01. SUPERSCONTO

- Developed a web application to offer detailed information on discounted products in Milan, Italy.
- Created and maintained both an admin panel and a user-facing web app, powered by a unified backend server.
- Technologies: Node.js, Express.js, React.js, Next.js, Redux Toolkit, Material UI, MongoDB, and AWS S3 for storage, and AWS EC2 for hosting with PM2 server and SSL certification.

02. BLOONSOO

- Developed a platform for booking flights, villas, and day trips, with an admin panel for super and hotel admins, integrating user authentication, Google Maps, and payment systems.
- Technologies: Node.js, Express.js, React.js, Next.js, Redux Toolkit, Material UI, MongoDB, and AWS S3 for storage, and AWS EC2 for hosting with PM2 server and SSL certification.

Software Engineer   *April 2023 − June 2024*
Hayleys Advantis Limited, Colombo
01. INLAND CONTAINER DEPO

- Developed and maintained an application for Logistics International Limited, supporting container depot operations at Welisara and Sedawatta.
- Conducted production releases, debugged issues, and provided 24/7 support.
- Technologies: Angular.js, ASP.NET 4.2, NativeScript, WCF services, SQL, and development tools such as Visual Studio, Visual Studio Code, MySQL Server Management Studio, and GitHub.

Associate Software Engineer   *March 2022 − April 2023*
Virtusa (Pvt) Ltd, Colombo
01. ENTERPRISE DIGITAL BOT

- Developed and maintained Lisa, Virtusa's internal support bot, streamlining issue resolutions across HR, IT, Finance, and technical domains.
- Contributed as a ServiceNow and backend developer using ASP.NET core, Azure function, Azure DevOps, ServiceNow platform.

Full Stack Developer Intern   *July 2021 − March 2022*
Enuri Information System (Pvt) Ltd, Colombo
01. TECHJOBZ.CO

- Contributed to TechJobz.co, an innovative research project designed for IT job seekers, focusing on user-friendly job search features similar to LinkedIn, Top Jobs, and Stack Overflow.
- Technologies: React.js, Node.js, Express.js, Next.js, MongoDB, SendGrid API, Meterial UI,JWT, PayHere payment gateway, SendGrid API, Github.
- **Live URL**: www.pathintech.com

Education

BSc (Hons) in Information Technology   *Jun 2018 - Dec 2022*
Sri Lanka Institute of Information Technology (SLIIT), Malabe, Sri Lanka

Skills

- **Programming Languages**: TypeScript, JavaScript, Python, C#, ASP.NET Core
- **Technologies**: Node.js, React.js, Express.js, Next.js, Redux Toolkit, MongoDB, MySQL, AWS, Azure
- **Tools**: Git, Agile, Jira, Swagger, Postman, JWT, REST, JSON
- **Frameworks**: Material UI, Tailwind CSS, Bootstrap
- **Soft Skills**: Problem Solving, Communication, Teamwork, Technical Support

References

Mr.Lalindu Peris   *Lead Consultant Technology, Virtusa*
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Mr. Kumara Hewage   *Solution Architect, Hayleys Advantis Limited*
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Mr. Pathum Kalham   *Associate Technical Lead EFutures Private Limited*
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