

BANUKA VIDUSANKA

Full Stack Engineer

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SUMMARY

Versatile Full-Stack Engineer with a passion for building scalable and efficient web applications. Known for attention to detail and a problem-solving mindset, ensuring seamless development and collaboration. Experienced in leading teams and mentoring developers, fostering growth, and technical excellence. Focused on developing robust and user-centric solutions that drive business success and enhance user experiences.

SKILLS & TECHNOLOGIES

Skills: Full Stack Development | Database Design & Optimization | Complex Query Building | Algorithm Development | API Development & Integration | Code Optimization | Project Coordination | Teamwork | Leadership | Agile Sprint Planning | Program & Team Management | User Requirement Evaluation | Effective Communication | Problem Solving | Collaboration

Technologies: React | Next.js | NestJS | Node.js | PHP | JavaScript | TypeScript | HTML | CSS | Bootstrap | Redux | REST API | Prisma | Redis

Tools & Platforms: GIT | Github | Postman | Amazon Web Services (AWS) | Heroku | Sendgrid | Clickup | Jira

WORK EXPERIENCE

Senior Full Stack Engineer - Third Space Global, Sri Lanka (Oct 2022 - Present)

- Spearheaded the enhancement of the **Global Recruitment Application (GRA)**, optimizing recruitment workflows and implementing **queue-based** request handling for the appointment scheduling system (APSS).
- Optimized the organization's **Global Marketing Website**, enhancing **mobile responsiveness and cross-device compatibility** for an improved user experience.
- Worked directly with **clients and business analysts** to fine-tune requirements and develop **customer-centric features**, improving user experience and reducing operational bottlenecks.
- Designed and implemented a **data access and export feature** for the recruitment team, reducing reliance on manual data requests and improving efficiency for both clients and internal teams.
- Led the development and release of **high-quality software products**, collaborating with engineers, QA teams, and product managers to ensure timely feature delivery.

- Managed and mentored a team of engineers, conducting **code reviews**, and **knowledge-sharing workshops** to drive continuous learning and growth.
- **Established and enforced best Git practices**, serving as the go-to expert for **branching strategies, version control workflows, and conflict resolution**, while providing guidance and support to resolve complex Git-related issues within the development team.

Full Stack Engineer - Third Space Global, Sri Lanka

(Jan 2022 - Oct 2022)

- Supervised and **mentored interns**, managing task allocation, reviewing their work, and conducting **peer programming** sessions to improve technical skills.
- Played a key role in the initial development of an **Internal Employee ERP System** (Third Space Portal), built using **React.js and Nest.js**, ensuring a modular and scalable architecture.
- Researched and integrated **new technologies and best practices** to improve system efficiency, responsiveness, and maintainability.
- Developed and optimized **APIs and database queries**, enhancing application performance and reducing system latency.
- Deployed applications using **SQL databases and Heroku servers**, ensuring smooth and efficient hosting of enterprise systems.

Trainee Full Stack Developer - Third Space Global, Sri Lanka

(July 2021 - Jan 2022)

- Contributed to the **planning and development of the HRIS (Human Resource Information System)** (built with PHP), playing a pivotal role in designing **database structures and core functionalities**.
- Engineered data structure for HRIS, ensuring **auditability and historical data integrity** within the Information system.
- Designed and implemented a **Report Management and Distribution System** (built with PHP), enabling **admin-controlled report modifications and streamlined access for users**.

PROJECTS

Global Recruitment Application (GRA)

Description: System designed and developed to provide seamless onboarding experience for candidates applying for mathematics tutor position at Third Space Global.

Key Features:

- Automated initial filtering and rejection of candidates based on education and other criteria
- Reminder emails and real time notification methods (ie SMS)
- Custom built Appointment Scheduling System (APSS) integrating Bull Queue for concurrent request handling
- Interview notes module, master view tables and bulk communication features for internal assessors and recruitment admins
- Integrating data from TalentLMS, an external LMS used for training and assessing candidates for data centralization

Technologies Used: React, NestJS, MUI, Redux Toolkit, Prisma ORM, MySQL, AWS S3, Heroku, Git

Achievements: Introduced digitally transformed business processes that eliminated inefficiencies, reduced manual work and enhanced business agility, scalability, experience, accuracy, and productivity in the recruitment process.

Human Resource Information System (HRIS)

Description: System developed to collect, audit, process and manage candidate & tutor information ranging from personal, educational, professional experience, availability and more

Key Features:

- Sectioned profile completion with document upload feature
- Audit approval process for each of information collected
- Image manipulation with the use of AWS lambda function to generate framed profile picture for all users based on uploaded photo

Technologies Used: React, NestJS, MUI, Redux Toolkit, Prisma ORM, MySQL, AWS S3, Heroku, Git

Tutor Movement System (TMS)

Description: System developed to manage the past, present and future tutor movements (such as resignations, terminations, long term leaves, pay grade changes, supervisor changes, and more)

Key Features:

- Initiate tutor movements which trigger notification emails to all stakeholders and start a movement approval process
- Ability to schedule future dated movements via cron job automation
- Automatically trigger relevant actions that affect other parts of system such as Capacity management and terminations based on tutor status

Technologies Used: PHP, MySQL, AWS S3, Bootstrap 5, jQuery, AJAX, Sendgrid, Git

EDUCATION

Bachelor of Science - BSc, Information Technology (2019 - 2021)

Lovely Professional University, Punjab, India

- Graduated with Distinction (First Division) with a 9.11 CGPA (\approx 3.64 GPA)
- Awarded University Academic Honour for securing 1st rank in order of merit in BSc IT

Diploma of Higher Education, Computer Science (2014 - 2018)

University of the West of England, Bristol, UK

- Awarded Dean's Award for Academic Excellence 2014/2015
- Took part in UWE Silver Surfers volunteering project providing IT tutoring to older people of local community in Bristol

G.C.E A/L in Mathematics Section (1999 - 2013)

Dharmasoka College, Sri Lanka

Diploma in Information and Communication Technology (2010 - 2010)

IDM Nations Campus Lanka, Sri Lanka

- Completed with Distinction

LANGUAGES

- Sinhalese - Native
- English - Proficient (C1)

HOBBIES

- Cybersecurity & Ethical Hacking
- Mobile Photography
- Traveling
- Listening to Music
- Cooking
- Swimming

REFERENCES

Can be provided at request