ARUNA NUWANTHA

SOFTWARE ENGINEER

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PROFILE

I'm a highly skilled software engineer with **4+ years of experience** developing and designing robust software solutions using Java, Scala and JavaScript. As a computer engineering graduate, I possess a strong foundation in computer science principles, algorithms, and data structures.

EXPERIENCE

SENIOR SOFTWARE ENGINEER

Pagero AB, Göteborg, Sweden   **July 2021- Oct 2024**

- Developed and maintained microservices using Java and Scala, ensuring scalability and high availability.
- Worked extensively with **relational** databases and distributed **non-relational** databases to manage and optimize data storage solutions.
- Implemented functional programming principles to enhance code reliability and maintainability.
- Established Service Level Objectives (**SLOs**) for critical areas of services.
- Experienced in performing time critical and mission critical tasks in the full System Development Life Cycle (**SDLC**) and **Agile** (Scrum) Software Development Processes.
- Demonstrated strong problem-solving and troubleshooting skills with a logical mindset and analytical skills.
- Built responsive and interactive front-end applications using React.js, and Java Wicket framework improving user experience and interface functionality.
- Leveraged Spring Boot to create robust and efficient back-end services, facilitating seamless integration and performance.
- Integrated Elastic Search for advanced search capabilities, enhancing data retrieval and analytics.
- **Technologies**: **Java8, Java17, Scala2, JavaScript, React.js, Spring Boot, Cassandra, Elastic Search, Elassandra, PostgresSQL, Java-Wicket, Promethues, Grafana, RabbitMQ**

SOFTWARE ENGINEER

Synopsys (PVT LTD)   **May 2020 - June 2021**

- Worked on the ZEBU emulator verification group.
- Involved with three major projects (ACA dashboard, Jira Tracking dashboard, and Code Ownership Tool)
- **Technologies**: **Python, PHP, Javascript, MySQL, Bash, Csh, PerForce**

EDUCATION

University of Peradeniya   **2017- 2021**
B.Sc. Engineering (Hons.)
Specialized in Computer Engineering
GPA: 3.5/4.0

Saranath College   **2008-2016**
G.C.E Advanced Level Examination
Z score - 1.8403

G.C.E Ordinary Level Examination - 9As

PROJECTS

JUNK FURY ○   2024
Junk Fury is an immersive 2D game designed to raise awareness about the urgent global issue of sea pollution for hackathon.
Technologies: Flutter, Flame

PIXELIN 🔗   2023
Web application that allows multiple users to collaboratively create pixel art in real-time.
Technologies: TypeScript, NextJS, Prisma, PostgresSQL, Next-Auth

XAMIT   2023
mobile application designed to provide users with an engaging platform for taking quizzes on various topics. The app offers a wide range of quizzes, tracks user progress, and includes interactive features to enhance the learning experience.
Technologies: Flutter, Firebase, Bloc

SMART PILL MANAGER ○   2021
Make a device and website to inform you when to take medicines and which number of pills you need to take at that time.
Contribution: Developed the REST API and Frontend and deployed them to the Azure cloud.
Technologies: React, Node.Js, MongoDB, Arduino, Python
Techniques: MQTT, Fingerprint Authentication, JWT, Cloud Computing

CONFIGURABLE ECU EMULATOR ○   2021
Build a Configurable Electronic Control Unit Emulator for digital twins in the automobile industry.
Contribution: Research and Development
Technologies: C/C++

HOSPITAL MANAGEMENT SYSTEM ○   2020
Web application and Native mobile application with a Database management system.
Contribution: Developed the backend and relational database of the website.
Technologies: HTML, CSS, MySQL, PHP, Flutter, Dart

TECHNICAL SKILLS

Programming Languages: Java, Scala Python, Dart, PHP

Frontend Technologies: React.Js, Next.Js, HTML, CSS

Backend Technologies: Springboot, ExpressJS

Databases: PostgresSQL, Cassandra, MYSQL, MongoDB

CI/CD Technologies: GoCD, Jenkins, Github-Action

Container Orchestration : Kubernates, Docker

Mobile Development: Flutter, React-Native

Cloud Computing: GCP, AWS, Heroku, Vercel

Operating Systems: Linux, MacOs, Windows

Version Control: Git, PerForce

CERTIFICATIONS

Microsoft certified Microsoft Azure Fundamentals — 2021
Issuer: Microsoft corporation

Flutter Development Bootcamp with Dart — 2021
Issuer: Udemy

Data Scientist Program — 2021
Issuer: Data insight

Cisco certified Programming Essentials in Python — 2021
Issuer: Cisco Networking Academy

Arduino Platform and C Programming — 2020
Issuer: University of California, Irvine | Coursera

Data Structures and Algorithms Specialization — 2020
Issuer: UC San Diego | Coursera

REFERENCES

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