

Pubudu Premathilaka Full-Stack Engineer

✉ pubuduudara7@gmail.com ☎ +94719207825 📍 Kandy, Sri Lanka in pubuduudara
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Profile

- IT professional experience developing project-based & product-based solutions for world-renowned companies such as **Sysco Corporation & London Stock Exchange Group**
- Graduate from the Faculty of Engineering, University of Peradeniya, **specializing in Computer Engineering (BSc. Eng. Hons) with First-Class Honors**
- Experienced in server-side development with **Java, Spring-based and JavaScript, Node.js** and client-side web development with **React/Redux** and in-depth knowledge in **Apache Kafka**
- Hand-on experience in AWS services and serverless architecture designing

Education

Nov 2016 – Sep 2021 **University of Peradeniya, Bachelor of Science (Hons) in Computer Engineering** ✕
Sri Lanka

- GPA: 3.70/4.00 (first-class honours)

2001 – 2015 **Dharmaraja College, Primary & Secondary Education**
Sri Lanka
G.C.E Advanced level (Physical Science). Physics (A), Combined Mathematics (B), Chemistry (A)

Professional Experience

Oct 2021 – present **Software Engineer, Sysco LABS** ✕
Sri Lanka

- Working as a full-stack developer using technologies such as **React.js, Redux, Node.js, Java (Microservices with Spring Boot), and AWS services**
- In-depth knowledge of **distributed message streaming platforms** like **Apache Kafka** and hands-on experience in **Confluent** and **Datadog**
- Gathering client requirements from the USA and **designing AWS serverless architectures**
- Carrying out developer testing using **JUnit, and Jest frameworks** and maintaining code quality on **SonarQube**
- Automate code build, test and deployment of applications through code pipelines
- Enhanced application performance using Java **Multi-Threading** and Apache Kafka methodologies
- Experienced in all project phases using **Agile** methodologies

Apr 2021 – Oct 2021 **Software Engineer (Intern), London Stock Exchange Group (LSEG)** ✕
Sri Lanka

- Hands-on experience running OpenCL kernel on FPGAs and GPU
- Designed and implemented a **GPU - FPGA** heterogeneous computing system Using **OpenCL**
- Gained experience in GPU computing with **CUDA** and related **profiling** tools

Technical Skills

Java (JSE, JEE) (Spring Boot, JUnit, Mockito, Gradle)

Node.js

React

Redux

JavaScript

HTML

CSS

MySQL

PostgreSQL

Python

C++

C

OpenCL

CUDA

Linux

Kafka (Confluent, Datadog)

GitHub, Bitbucket

Agile, Scrum (Jira, Confluence)

Amazon Web Services (AWS) (ECS, ECR, Fargate, Lambda, Batch, S3, SES, KMS, SQS, CloudWatch Events, Cognito, Route 53, CloudFront, API Gateway, RDS, CI/CD with CodePipeline, CodBuild, CodeDeploy)

Projects

Oct 2021 – present	B2B Order Response Processor <ul style="list-style-type: none">• Real-time order response processor developed using Spring boot, Apache Kafka, and PostgreSQL as core technologies architected as a AWS serverless• Contributed to increasing the application performance by 4 times using Java Multi-Threading• Maintain continuous build and deployment system (CI/CD) using GitHub, AWS and preserved 90% CodeQulity in the SonarQube by carrying out unit tests and integration tests• Contributed to implementing order resend sub-component using Node.js• Technologies & Tools: Java (Microservices in Spring Boot), JUnit, Node.js, Apache Kafka, Confluent, AWS Fargate, ECS, Lambda, S3, SES, KMS, API Gateway
May 2022 – present	Map Comparison Tool <ul style="list-style-type: none">• Key resource person for requirement gathering, designing AWS serverless architecture and developing file comparison tool for Sysco onshore team• Designing the database model and front-end wireframes and documenting them along with the application requirements and usage.• Full-stacked web application developed with React, Redux, HTML, and CSS for front-end and Node.js, Spring Boot, PostgreSQL, Microsoft SQL as back-end technologies and REST APIs to access data.• Technologies & Tools: AWS Lambda, SQS, S3, KMS, Cognito, Route 53, CloudFront, API Gateway, React, Redux, Spring Boot, Node.js, REST APIs
Jan 2018 – Oct 2018	Finite Element based Structural Analysis Software <ul style="list-style-type: none">• A novel formulation for linear and non-linear analysis of reinforced concrete structures• Contributed to developing the backend, carried out testing and optimizations• Technologies & Tools: Python, Object-oriented programming, MATLAB

Awards

2016	Silver Medalist , <i>Week of Code 26, Hackerrank</i> <i>Country Rank: 11</i> ↗
2016	Silver Medalist , <i>Week of Code 27, Hackerrank</i> <i>Country Rank: 3</i> ↗
2016	Bronze Medalist , <i>Week of Code 28, Hackerrank</i> <i>Country Rank: 3</i> ↗

Courses

Oct 2020	AWS Fundamentals: Going Cloud-Native , <i>AWS (coursera)</i> ↗
Mar 2020 – May 2020	Introduction to Big Data and Hadoop , <i>Bangladesh Research & Education Network</i> ↗
Dec 2020	Neural Networks and Deep Learning , <i>DeepLearning.AI (coursera)</i> ↗
Jan 2020	Machine Learning , <i>Stanford University (coursera)</i> ↗
Jan 2020	Convolutional Neural Networks , <i>DeepLearning.AI (coursera)</i> ↗

Languages

English (*Full working proficiency*) • **Sinhala** (*Native*)

References

Avaiable on Request