

# Elilvannan Meganathan

## SOFTWARE ENGINEER

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🔗 [github.com/Elilvannan](https://github.com/Elilvannan)

🔗 <https://elilvannan.github.io/portfolio/>

### SUMMARY

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Backend Software Engineer with **1+ year of expertise** in developing scalable microservices using **Spring Boot and Java**. Demonstrated success in building high-performance RESTful APIs and implementing robust security measures. Proficient in full-stack development with MERN stack, focusing on delivering enterprise-grade solutions with 99.9% uptime

### Professional Experience

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#### Associate Software Engineer

Feb 2024 – present

CodeLantic Pvt Ltd

- Architected and implemented **microservices** using Spring Boot, reducing system latency by 40%
- Designed and optimized RESTful APIs serving 100K+ daily requests with **Spring Data JPA**
- Implemented **OAuth2** and **JWT** authentication, enhancing system security for 50K+ users
- Led migration from monolithic to **microservices architecture**, improving scalability by 60%
- Optimized database **queries** reducing response time from 2s to 500ms
- Maintained 95% **test coverage** using **JUnit** and **Mockito**
- Containerized applications using **Docker** and managed deployments with **Kubernetes**

#### Software Engineer - Intern

Aug 2023 – Jan 2024

CodeLantic Pvt Ltd

- Developed and maintained **Spring Boot applications** with 90% test coverage
- Implemented continuous integration **pipeline** reducing deployment time by 50%
- Optimized **MySQL** database performance improving **query** execution time by 30%
- Resolved 50+ critical **bugs** improving application stability
- Contributed to **API documentation** reaching 100% coverage

# Education

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**Bachelor of Information and Communication Technology (Hons)**

Dec 2024

*University of Ruhuna | Sri Lanka*

Relevant Coursework: **Advanced Java Programming**, Software

Architecture, **Database Systems**, **Web Technologies**

# Technology & Tools

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**Backend Technologies:** — Expert

- Java 8/11 and 17
- Spring Boot
- Spring MVC
- Spring Security
- Spring Data JPA
- Spring Cloud

**Testing & Quality:** — Expert

- JUnit 5
- Mockito
- SonarQube (95% code coverage achieved)

**Frontend** — Proficient

- React.js
- HTML5
- CSS3
- Bootstrap 5
- jQuery

**DevOps & Tools:** — Expert

- Git
- Maven
- Jenkins
- Docker
- Kubernetes
- Postman

**Databases** — Expert

- MySQL
- MongoDB
- PostgreSQL (Performance optimization, Query tuning)

**Additional:**

- Microservices Architecture
- REST API Design
- OAuth2
- JWT

# Certificates

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**Java Programming Certificate** [↗](#)

**Certificate Link:** view Certificate [↗](#) - Validates my skills in **Java** programming, including **OOP** and data structures.

**Microsoft Learn Student Ambassador Certificate**

Azure Fundamentals AZ-900 (**Microsoft** Learn Student Ambassador Program)

**Certificate Link:** Download Microsoft Learn Certificate [↗](#)

# References

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**Dr. P. K. S. C. Jayasinghe**, *Dean*, Faculty of Technology

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