

# Ravindra Warnasooriya

## CAREER OBJECTIVE

---

Highly skilled and motivated Software Architect with 12+ years of experience in leading cross-functional teams to design and implement scalable, robust software solutions. Dedicated to driving innovation, delivering high-quality products, and achieving organizational success with technical expertise and leadership capabilities.

## PROFESSIONAL EXPERIENCE

---

### Software Architect

Trivow Business Solutions Pvt.Ltd, *(September 2020 – Present)*

- **OTP Dashboard:** Developed a real-time OTP messaging system with technologies including Java Spring Boot, React, Kafka, Redis, and MongoDB. Leveraged AWS cloud services for deployment and CI/CD.
- **Insurance Management System:** The Insurance Management System is designed to cater to the needs of Third-Party Administrators (TPAs) in effectively managing various insurance processes. These processes include policy registration, approval, bordereaux report generation, endorsement, renewal, claim processing, and payment management.

Technologies C# .NET Web API, Spring boot, Node JS, Angular JS, React, MS SQL Server, AWS S3, AWS-SNS, AWS Code Pipe Line, AWS ElastiCache , RabbitMQ.

- **Hospitality Management System:**  
This SaaS application was developed to streamline hotel operations, including reservations, invoicing, billing, payments, and reporting. It is deployed on a scalable AWS infrastructure and designed for high availability and performance.

Key features include:

- Auto-scaling using Horizontal Pod Auto scaler (HPA) on Amazon EKS
- Fully automated CI/CD pipeline for seamless and rapid deployments
- Monitoring and alerting with Grafana dashboards and AWS CloudWatch
- Real-time communication using RabbitMQ and AWS SNS
- Redis caching for improved performance
- Dynamic email templates and printing powered by SendGrid
- User authentication handled via AWS Cognito
- API management using API Gateway

Tech Stack:

Node.js (backend), MongoDB (database), Redis (caching), RabbitMQ + AWS SNS (messaging), SendGrid (email templates & printing), AWS Cognito (authentication), API Gateway, ELB, EKS, CloudFront, Grafana, CloudWatch

This architecture supports rapid scaling, high availability, and observability, making it well-suited for a dynamic hospitality environment.

## Tech Lead – Senior Software Engineer

CICRA Solutions Pvt.Ltd, (March 2018 - August 2020)

- **ASMP** : is an open source progress monitoring project which is conducted by the Agriculture Ministry of Sri Lanka  
*Technologies* : Node.js, jQuery, MongoDB, Birt Reporting etc.
- **e-Local Government : eLG** is an open source project which developed for to re-engineer the activities and services of the Sri Lankan Local Authorities.  
*Technologies* : Java, Struts 2, MySQL, Hibernate, Maven, Mongo, Birt, WSO2 Servers etc.
- **vXpose Vulnerability Management System:** vXpose is open-source vulnerability management system which analyzes and monitor the vulnerabilities of the networks and computer systems.  
*Technologies* : Node.js, jQuery, Mongo, etc.
- **EBET Betting System:** Sumathi EBET Betting System is a web application which performs as an online betting application and information provider regarding worldwide betting.  
*Technologies* : This Project is developed using Spring Boot, MySQL, Hibernate, Maven, Angular, Mongo, Birt Reporting.
- **Learning Management System:** CICRA LMS is a web Based Learning Management System Online Follow Courses and face the Examination and Certificate Issue Using Application  
*Technologies:* Spring Boot, MongoDB, Angular, Active Directory Authentication

## Senior Software Engineer

IM Solutions Pvt. Ltd, (January 2016 - March 2018)

- Barcode Based Process Management System

Barcode Based Process Management System Developed for Sri Lanka Gamma Centre, they want to manage their process Using Barcode Tracking and Communicate with Gamma Source Controlling Machine, this project is developed using C#, MS Sql Server 2008, Crystal Report

- Loan Management System

This Loan Management System developed for Ministry of Commerce. It has Loan Issue with Multiple Allocation Times, Interest Calculation, grace Period Maintain, Customer Account Maintain, this project is developed using C#, MS Sql Server 2008, Crystal Report

- Myhotelina.com

Myhotelina is a Software as a Service (SaaS) based Property Management System (PMS) specifically designed to efficiently and effectively manage hotels or resorts. It offers a comprehensive suite of software modules essential for seamless hotel operations. Notably, it provides features such as Booking Engine Synchronization (Channel Manager) for efficient room

booking management, Restaurant Recipe Management for streamlined culinary operations, KOT (Kitchen Order Ticket) functionality for kitchen management, BOT (Bar Order Ticket) for bar management, and Takeaway Billing for smooth billing processes.

This project is developed using the PHP Yii Framework and MySQL for robust and scalable backend operations. The frontend is built using Bootstrap and JQuery, ensuring an intuitive and responsive user interface.

- Payroll System

Payroll Management System basically, Employee in and Out Tracking Using Finger Print Device, Late Hours, OT, EPF, ETF, Addition, Deduction, Employee Loan can handle, this project is developed using C#, MS Sql Server 2008, Crystal Report

**Training Software Developer,**

[Soft-Master Technologies - Kandy](#)

## **EDUCATION**

---

**MSc in Enterprise Application Development (*Examination Completed Final Research Doing*)**

[SLIIT, Expected Completion Dec-2025](#)

**Bachelor of Technology in Software Technology (2014)**

[University of Vocational Technology, January 2014](#)

**AWS Solutions Architect Associate Certification (Coursework Completed)**

## TECHNICAL SKILLS

---

### Programming Languages

- **Languages:** TypeScript, JavaScript, Java, C#, PHP, Python
- **Frontend Frameworks:** React, Angular, Vue, Flutter
- **Backend Frameworks:** Node.js, Spring-Boot, Express, Laravel, Yii
- **API Standards:** REST API, GraphQL

### Databases & Caching

- **Relational:** MySQL, MS SQL Server, Oracle, MS Access
- **NoSQL:** MongoDB
- **Caching Systems:** Redis, Memcached

### Message Brokers & Event Streaming

- Apache Kafka
- RabbitMQ

### Cloud and DevOps

- **Cloud Platforms:** AWS, Azure
- **Containerization and Orchestration:** Docker, Kubernetes
- **CI/CD:** AWS Code Pipeline, Jenkins
- **Configuration Management:** Ansible
- **Monitoring and Visualization:** Grafana, Prometheus, AWS CloudWatch

### Web Servers & Middleware

- **Web Servers:** Nginx, Apache2
- **Application Servers:** Apache Tomcat, JBOSS, GlassFish, WSO2 Servers

### AI/ML & Data Science

- **Frameworks & Libraries:** TensorFlow, PyTorch, Scikit-learn, Keras, Pandas, NumPy

### Software Development Tools & Practices

- **Architectural Patterns:** MVC, MVVM, Microservices, Monolith, Event-Driven, CQRS
- **Design Patterns:** Singleton, Factory, Builder, Observer, Strategy, Proxy, Adapter, Dependency Injection, Repository
- **Frameworks:** Spring (Java), Hibernate (Java), Laravel (PHP), Express.js (Node.js), flask (Python), .NET Framework
- **Prototyping & Design Tools:** Figma, Adobe XD, Balsamiq
- **Version Control & Collaboration Tools:** Git, SVN, Jira, Trello
- **Runtime Process Managers:** PM2, Forever

### Testing & Quality Assurance

- **API Testing:** Postman, Newman
- **Performance Testing:** JMeter, Gatling

## **PERSONAL PROFILE**

---

Name : D M D W Ravindra Warnasooriya

Address : 207, Meddegama, Halmillawewa

Gender : Male

Date of Birth : 08-Sep-1987

NIC NO : 872523197V