

Chandima Ekanayake

Full-Stack Developer

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PROFILE

Highly motivated and experienced software developer with a strong background in full-stack development and a passion for solving complex problems. With 4 years of academic experience and over 7 years of professional experience, I have a solid foundation in computer science principles and a track record of delivering high-quality software solutions on time. I am skilled in a variety of programming languages and technologies, including C#, TypeScript, JavaScript, and related frameworks, and I have experience working on both small and large-scale projects. I am a proactive team player who is always willing to take on new challenges and learn new skills.

EDUCATION

University of Moratuwa, Colombo,
BSc (Hons) in Information Technology

2013–2017

After completing my advanced level examination with good grades, I got selected for the degree program of BSc (Hons) in Information Technology at the University of Moratuwa, Sri Lanka. Which I completed successfully with a second-class degree in 2017.

LANGUAGES

- **English**, Fluent
- **Sinhala**, Fluent

TECH-STACK AND SKILLS

- **Programming Languages**

C#, TypeScript, JavaScript, HTML, CSS, XML, SQL, and JSON

- **Databases**

MSSQL, MySQL, Firestore, and Firebase

- **Backend**

.NET Framework/.NET Core/.NET MVC, Entity Framework

- **Frontend**

Angular, jQuery, Ionic Cross-platform mobile framework, Bootstrap, Semantic UI, Ant Design, Material UI, AEM

- **Cloud**

Azure Cloud, Functions, Key Vault, Service Bus, Active Directory, App Service, Virtual Machines, DevOps, CI/CD in Azure Pipelines, Google Cloud Platform and Firebase

- **Other Practices and Exposures**

RESTful APIs, MVC models, ER and UML, Relational and non-relational databases, Redux with RxJs, Git version control, VSTS, Bitbucket, Docker, Docker Compose, SOLID principles, NPM package management, Object-Oriented Design, Design patterns, Agile management practices (SDLC) with Azure DevOps, Domain-Driven Design on Angular, Capacitor runtime with Ionic, SonarCube, OpenSSL for certification, RabbitMQ message broker, SignalR, Micro-Service architecture, CQRS, Modular-monolithic architecture, Cybersecurity, PEN test clearance, Data governance, Data strategy, Azure app insights, Azure data factory, Azure logic apps

Firestore, Firebase functions, Firebase authentication, VPS management, Dedicated Cloud Servers, and Algolia search with Firestore

PROJECT LIST IN BRIEF

- **Central Provident Fund Board,** Jan 2024–Now
System Analyst, Central Provident Fund Board, Singapore
- **Banking and Credit Union System,** May 2023–Dec 2023
Associate Tech Lead, Zone24x7, Colombo
- **Garment Factory Management and Printing System,** May 2023–Dec 2023
Senior Software Engineer, IronOne Technologies through KeenMMS, Colombo (part-time contract)
- **Garment Factory Management and Printing System,** October 2021–May 2023
Senior Software Engineer, IronOne Technologies, Colombo
- **Video Consultation Platform,** May 2023–Dec 2023
Senior Software Engineer, IronOne Technologies through KeenMMS, Colombo (part-time contract)
- **Video Consultation Platform,** January 2022–May 2023
Senior Software Engineer, IronOne Technologies, Colombo
- **Brand Ambassador Platform,** July 2022–Dec. 2022
Senior Software Engineer, IronOne Technologies, Colombo
- **An API-Based Solution Collection,** August 2019–Sept. 2021
Software Engineer/ Senior Software Engineer, Infosoft Lanka Pvt. Ltd, Colombo
- **Suspect Management System,** April 2018–Dec. 2019
Software Engineer, Infosoft Lanka Pvt. Ltd, Colombo
- **Fund Management System: Large Scale** January 2017–Jan. 2018
Associate Software Engineer/ Software Engineer, Infosoft Lanka Pvt. Ltd, Colombo
- **Fund Management System: Medium Scale** July 2016–Jan. 2017
Associate Software Engineer, Infosoft Lanka Pvt. Ltd, Colombo
- **HR Management System,** February 2016–July 2016
Trainee Software Engineer, Infosoft Lanka Pvt. Ltd, Colombo

The above 2 pages consist of a brief introduction, and a thorough exposition of experience and completed projects is presented in the following pages.

WORK EXPERIENCE

Central Provident Fund Board,

Jan 2024–Now

System Analyst, Central Provident Fund Board, Singapore

USED TECH STACK: .NET Core API in Microservice, .NET Core windows service, Azure DevOps, Angular 15-16, MS SQL, SonarCube, Azure Cloud Services

OVERVIEW: A very comprehensive and complex application for managing the entire provident fund process. There are various modules/ products like healthcare, housing, retirement etc. The different modules are handled by totally different departments as products. My team is though, responsible for the whole application throughout every product. If something related to the products core logic the responsibility goes to the core team,

TEAM SIZE: 10

MY RESPONSIBILITY:

- Supporting the cross-functional teams to perform day to day functions
- Provide testing support for the testers.
- Daily maintenance of the application background services like scheduled jobs.
- Investigating critical production bugs and providing solutions as well as fixes in a timely manner.
- Investigating and fixing the non-prod bugs so the internal users can test the product smoothly.
- Working with the front-line staff of the application to manage the production queries of the CPF members.
- Monitoring and clearing the security threats towards the system and analyze the impacts

Banking and Credit Union System,

May 2023–Dec 2023

Associate Tech Lead, Zone24x7, Colombo

USED TECH STACK: .NET Core API, Ocelot, CQRS, RabbitMQ, Azure DevOps, Angular 9-16, MS SQL, SonarCube

OVERVIEW: A very comprehensive and security concern financial application that provides appointment support, lobby assistance, final stage data analysis, and detailed reports for each employee working in each sector. Cybersecurity plays a larger role in this, as it is a bigger concern for the client with regular PEN tests and other types of audits like SonarCube, etc. And the project is planned to move forward with a large boost by providing data analytics with predictive models.

TEAM SIZE: 53

MY RESPONSIBILITY:

- Supporting the team leads to managing the team.
- Give support to the team as needed in tech stack.
- Implement the core logics in the given task break down,
- Introduce and implement a whole new security layer to prevent data breaches.

- Update the Angular version from 9 to 16 in terms of security threats as well as application slickness.
- Lead regular dev syncs, keep everyone upto date with new tech used, and support developers through technical barriers.
- Plan the data analysis with artificial intelligence using the collected data throughout the lifetime of the application, which was about 10 years.
- Do regular PR review to maintain the code quality and spot any kind of security threat that can be problematic during PEN test and other cyber security audits

Garment Factory Management and Printing System,

October 2021 – Dec 2023

Senior Software Engineer, IronOne Technologies and through KeenMMS, Colombo (part-time contract)

USED TECH STACK: .NET Core API, Azure Active Directory, Azure Service Bus, Azure Functions, Azure DevOps, Angular 13, MS SQL

OVERVIEW: A very comprehensive cloth printing management suit was created for a popular Sri Lankan apparel exporter brand. This contains everything from the designer end (who designs the artwork to print on the given cloth) to the warehouse end (who prints the artwork and sends it to distribution). In between, there are a few other roles that manage various tasks needed in the underlying process.

TEAM SIZE: 12

MY RESPONSIBILITY:

- Leading the front-end team,
- designing and planning the states and front - end architecture,
- Developing the front-end with Angular 13, as well as contributing to back-end design and development with .NET Core,
- Write Azure functions, Swagger documentation, Azure service bus implementation, and Azure cloud handling.
- Do code reviews for junior developers and colleagues.
- Recently, I've been given the responsibility of leading both front-end and back-end teams and attending client meetings as well.

Video Consultation Platform,

January 2022 – Dec 2023

KeenSenior Software Engineer, IronOne Technologies and through KeenMMS, Colombo (part-time contract)

USED TECH STACK: NodeJS, Cognito, ReactJs, Angular 12, Docker Containers, Docker Compose, Jitsi, MySQL

OVERVIEW: A video consultation application for a European healthcare brand was developed with a dashboard integrated for the various user roles to interact, maintain the history, and record the consultation process. The application can be used by the consultants to interact with their patients through a video call based on their subscription and record certain events of the session, progress, and various other domain concerns.

TEAM SIZE: 9

MY RESPONSIBILITY:

- Personalize Customize the Jitsi Meet app to meet the customer's requirements.
- Develop a new dashboard with Angular 12 to manage the organizational structure and other business concerns.
- Debug and fix bugs in the NodeJs backend.
- Support client with custom configurations for the app

Brand Ambassador Platform,

July 2022–Dec. 2022

Senior Software Engineer, IronOne Technologies, Colombo

USED TECH STACK: .NET Core, Angular 12, Cognito, Flutter for IOS apps, My SQL

OVERVIEW: Developed a brand ambassador platform for a popular beauty care brand in Australia. The client needed to distribute plans and information among the brand ambassadors, manage their tasks, and track progress as well.

TEAM SIZE: 12

MY RESPONSIBILITY:

- Contribute to the back-end development of the application using .NET Core.

An API-Based Solution Collection,

August 2019–Sept. 2021

Software Engineer/ Senior Software Engineer, Infosoft Lanka Pvt. Ltd, Colombo

USED TECH STACK: .NET Framework, Azure Cloud, Angular 8, Azure DevOps, Orient DB

OVERVIEW: Contributed to developing a comprehensive API solution set for a client in Australia as an outsourced talent. The project had a unique business case and an interesting business approach. The application contained many simple to medium-scale software tools and solutions on an API basis, including agriculture and farming tools, questionnaire-creating tools, a content management system, health care-providing tools, and various other business needs. Even though the main product was the API, we've developed the Angular 8 front-end as well to do the testing, POC, DOD, and demonstrations.

TEAM SIZE: 6

MY RESPONSIBILITY:

- Lead a small front-end team and develop the front-end,
- Handle deployments from Azure DevOps and demonstrate the DOD to our client or product owner in each release we have planned after the iteration.
- Demonstrate the feature at the end of the feature's development on UAT.

Suspect Management System,

April 2018–Dec. 2019

Software Engineer, Infosoft Lanka Pvt. Ltd, Colombo

USED TECH STACK: .NET MVC, Entity Framework, jQuery, Semantic UI, Military-grade biometric tools, MySQL

OVERVIEW: This web-based solution was created for an authorized government body to deploy at several sensitive locations where suspects can be identified to track people who could possibly be suspects. We used a few biometric methods to record and search for possible suspects. Hardware infrastructure support was also included.

TEAM SIZE: 4

MY RESPONSIBILITY:

- Design and create the application's back-end and front-end with .NET MVC.
- Contribute to the suspect record and search functionality development as well.
- Develop the frontend using SemanticUI and JavaScript.
- Implement a data security layer for the security of the collected data as well as the application infrastructure.

Fund Management System: Large Scale

January 2017–Jan. 2018

Associate Software Engineer/ Software Engineer, Infosoft Lanka Pvt. Ltd, Colombo

USED TECH STACK: .NET MVC, Entity Framework, jQuery, Bootstrap, MS SQL

OVERVIEW: A large-scale fund management system developed for the Sri Lanka Navy's other ranks managed nearly 100,000 active users and many more financial accounts at the time of the deployment. This project consisted of pretty much the same basic business model as the fund management system I worked on for the Navy's officers. But some of the logic, policy requirements, implementation, and security concerns were somewhat different from that project.

TEAM SIZE: 10

MY RESPONSIBILITY:

- Contribute to the development of the application with .NET MVC 5.
- Understand and deliver the financial use cases within the scope of the application.
- Create the frontend using bootstrap and jQuery

Fund Management System: Medium Scale

July 2016–Jan. 2017

Associate Software Engineer, Infosoft Lanka Pvt. Ltd, Colombo

USED TECH STACK: .NET MVC, Entity Framework, jQuery, Bootstrap, MS SQL

OVERVIEW: Developed a medium-scale fund management system for Sri Lanka Navy officers. At the time of the first release, over 10,000 members had registered in the application. This included monthly and annual contributions, debit-credit account balancing, pay-record maintenance, loan management,

communication between banking APIs to get in sync, and several other critical financial features to develop for the client's concern.

TEAM SIZE: 10

MY RESPONSIBILITY:

- Contribute to the development of the .NET MVC application.
- Create the frontend using bootstrap and jQuery

HR Management System,

February 2016–July 2016

Trainee Software Engineer, Infosoft Lanka Pvt. Ltd, Colombo

USED TECH STACK: .NET MVC, Entity Framework, jQuery, Bootstrap, MS SQL

OVERVIEW: Developed a compact HR management system for the employer company (Infosoft Lanka Pvt. Ltd.). Attendance registry, employee lookup, leave module, company calendar, branches, and notice posting features were included.

TEAM SIZE: 3

MY RESPONSIBILITY:

- Go through the existing old desktop application,
- Understand the requirement and develop a web-based solution for that requirement
- Add new features as requested by the stakeholder.

INTERNSHIPS AND TRAININGS

Associate Software Engineer,

August 2016–Jun. 2017

Infosoft Lanka Pvt. Ltd., Colombo

After completing the academic internship, I continued to work as an associate software engineer at Infosoft Lanka Pvt. Ltd.

Trainee Software Engineer,

February 2016–July 2016

Infosoft Lanka Pvt. Ltd., Colombo

I took this 6-month internship as the assigned academic module at the university.

NON-RELATED REFEREES

References are available upon request.