




Hamjeth Misree

Senior Software Engineer

Career Objective

With four years of experience under my belt as a Senior Software Engineer, I'm eager to take the next step in the IT field. My goal is to drive tech innovation by leveraging my knowledge and hands-on experience in Software Engineering and IT Management. I'm all about turning research into real-world applications and fostering a culture of creativity and innovation. I'm on the lookout for a role in a forward-thinking organization that's all about pushing the boundaries of tech, where I can continue to grow and make a meaningful impact.

Contact Information


 **Phone:** 0771157106

 **Email:** hamjeth68@gmail.com

 **Address:** No 40 Kawdana Road, Dehiwala – Mount Lavinia, Sri Lanka

Professional Profiles

 **GitHub:** [Hamjeth68](https://github.com/Hamjeth68)

 **LinkedIn:** [Hamjeth Misree](https://www.linkedin.com/in/HamjethMisree)

 **Portfolio Website:** <https://hamjeth.vercel.app/>

Educational Qualifications

- **BSc (Hons) Computer Science** with specialization in Software Engineering, Kingston University London, 2021.
- **Higher National Diploma in Software Engineering**, Pearson Assured, ESoft Metro Campus Colombo 04, 2019.

Technical Skills

Mobile Development:

- **Native Android JAVA:** Proficient in building Android applications with Java, focusing on performance and user experience.
- **Kotlin:** Advanced skills in Kotlin for modern Android development, emphasizing safety, clarity, and tooling support.
- **React-Native (Android & IOS):** Expertise in developing cross-platform mobile applications using React-Native, ensuring seamless functionality on both Android and iOS platforms.
- **Flutter:** Skilled in using Flutter for creating natively compiled applications for mobile, web, and desktop from a single codebase.

Frontend Web Development:

- **JavaScript:** Comprehensive knowledge of JavaScript for dynamic web content and interactive features.
- **Angular Core:** Experienced in Angular for developing scalable web applications with a clean and maintainable codebase.
- **React.js / Expo:** Proficient in using React.js and Expo for building user interfaces and mobile applications with web technologies.
- **Next.js:** Advanced skills in Next.js for server-side rendering, static site generation, and building scalable web applications.

Backend and API Development:

- GraphQL: Expertise in using GraphQL for designing and implementing APIs that improve data retrieval efficiencies.

DevOps and Continuous Delivery:

- Continuous Integration / Continuous Delivery (CI/CD) Tools: Experienced in automating software delivery processes, ensuring rapid and reliable release cycles.
- Microsoft App Center: Skilled in using Microsoft App Center for continuous integration, testing, release management, and monitoring of mobile apps.
- AWS: Proficient in Amazon Web Services for scalable cloud solutions, including computing, storage, and database services.
- Cloud Native: Advanced understanding of cloud-native technologies and architectures for building and running scalable applications in modern, dynamic environments.

Testing and Methodologies:

- E2E Testing: Expertise in end-to-end testing to ensure applications work as expected from the user's perspective.
- Agile Practitioner: Experienced in Agile methodologies, enhancing team productivity and project management.
- TDD Development: Proficient in Test-Driven Development, emphasizing the creation of tests before code to ensure software quality.
- CDD Development: Knowledgeable in Consumer-Driven Contract testing for ensuring API compatibility and reliability across microservices.

Design and Security:

- Solution Designing with UML: Skilled in using Unified Modeling Language for designing and visualizing system architectures.
- Security Compliance for Web/Mobile: Expertise in implementing security standards and practices to protect web and mobile applications from vulnerabilities.

Professional Experience

Senior Software Engineer - Ferry Pay

February 2023 - Current

Ferry Pay is a pioneering financial technology brand dedicated to revolutionizing business operations, employee retention, and tax liability management. As the backbone of the hospitality and retail industries, Ferry Pay introduces an all-encompassing solution designed to automate instant payouts, ensure tax compliance, and streamline operational efficiencies. Our proprietary platform seamlessly integrates into existing point-of-sale systems, eliminating the need for additional software and reducing the risk of IRS fines.

At the heart of Ferry Pay's innovation lies its capability to offer flexible wage and tip payout solutions, thereby enhancing operational flow and employee satisfaction. By automating tip distribution and providing transparent shift-end procedures, Ferry Pay addresses the industry's challenge of managing cash tips, thereby ensuring a smoother, more reliable process for both employers and employees.

Ferry Pay empowers employees with unparalleled payment flexibility, allowing instant access to earnings through a digital wallet, payroll cards, or direct bank transfers. This immediate access to funds is a cornerstone of our commitment to improving worker satisfaction and financial well-being.

Technical Insights:

Our solution is built on a robust stack that includes React-Native for cross-platform mobile application development and Next.js for our front-end web application, ensuring a seamless and responsive user experience across all devices. We leverage TypeScript for its strong typing features, enhancing code quality and maintainability.

For backend infrastructure and operations, Google Cloud Platform (GCP) and AWS Amplify offer scalable, secure environments for our core banking functionalities and enterprise tip software. Integration with tools such as Segment, Zendesk, SendGrid, and Twilio enriches our operational workflows with analytics, customer service, communication, and reporting capabilities.

The development process incorporates modern DevOps practices, including FastLane for continuous integration and continuous deployment (CI/CD), ensuring rapid, reliable delivery of updates. Security and authentication are bolstered by STYTCH, while Firebase App Distribution and Firebase Test Lab facilitate efficient testing and distribution processes. Error

monitoring and performance metrics are managed through SENTRY.io, ensuring high reliability and user satisfaction.

Project Role: Senior Software Engineer

As the sole Senior Software Engineer for Ferry Pay, I spearheaded the development of both the mobile application and web platform, translating complex requirements into a seamless, user-friendly digital banking experience. My role encompassed the entire product lifecycle, from conceptualization to deployment, including:

- **Full-Stack Development:** Designed and implemented the front-end and back-end architecture for Ferry Pay's mobile app and web platform, using a combination of React-Native, TypeScript, Next.js, and Electron.js for a cohesive ecosystem across devices.
- **Operational Workflows:** Engineered operational workflows within ReTool for core banking processes, including dispute resolution, user account modifications, and identity verification, ensuring compliance and user security.
- **System Integrations:** Orchestrated integrations with key services like Segment for analytics, Zendesk for customer support, SendGrid for transactional emails, and Twilio for communications, enhancing the platform's functionality and user engagement.
- **Banking and Transactional Flows:** Developed comprehensive workflows for banking products, covering account applications, card issuance, statement generation, and dispute initiation, using GraphQL for efficient data handling and mutations.
- **Enterprise Software Development:** Led the backend and frontend development of the Ferry Tip Portal, including UX mapping and reskinning the in-POS experience, crucial for enhancing the tipping process and management oversight.
- **Cloud Transition and API Development:** Successfully transitioned the product from on-premise to cloud infrastructure, utilizing GCP and AWS Amplify for scalable, secure backend services. Developed outbound APIs to link the banking product with third-party services, extending functionality and accessibility.

References:

- [Ferry Pay IOS](#)
- [Ferry Wallet Native on Google Play](#)

Senior Software Engineer - Codelantic (Pvt) Ltd

September 2021 - February 2023

During my tenure at Codelantic (Pvt) Ltd. as a Senior Software Engineer, I actively contributed to transformative projects while honing my skills across various cutting-edge technologies.

- **GraphQL Integration:** Spearheaded the integration of GraphQL into our systems, revolutionizing our API interactions. By optimizing data loading processes and minimizing network traffic, GraphQL elevated the responsiveness and efficiency of our applications, ensuring seamless user experiences.
- **Kubernetes Orchestration:** Implemented Kubernetes to orchestrate the scaling of containerized applications, particularly benefiting our Spring Boot backend infrastructure. This orchestration solution streamlined deployment processes and facilitated efficient management across diverse clusters, bolstering the robustness and flexibility of our applications.
- **Enhanced User Navigation with React Native Navigation:** Leveraged React Native Navigation to enhance user navigation within our React Native applications. By providing a more intuitive and fluid navigation experience, this technology significantly enhanced user engagement and satisfaction levels.
- **Adoption of Serverless Architecture (AWS Lambda):** Led the adoption of a serverless architecture powered by AWS Lambda to optimize backend operations. This strategic move not only slashed operational costs but also enhanced scalability, enabling seamless handling of increased traffic and demand spikes.
- **Empowering Personalized Experiences with Machine Learning and AI:** Applied Machine Learning and Artificial Intelligence techniques to deliver personalized user experiences, notably in transaction and menu item recommendations based on user behavior. This tailored approach drove higher user satisfaction and engagement rates.

Projects:

- **SpotonMoney:** One of the significant projects I was involved in at Codelantic (Pvt) Ltd was the development of SpotonMoney, a comprehensive mobile banking solution that has revolutionized the process of global money transfers. My role was pivotal in the project, where I was responsible for the creation of React Native-based mobile and web applications, in addition to an intuitive administration portal. By leveraging Data Transfer Object (DTO) objects, we were able to craft a dynamic User Interface (UI) and

User Experience (UX) that was adaptable to the evolving requirements of the platform, significantly enhancing responsiveness and user customization. The project utilized a wide range of technologies, including but not limited to React Native, Android, Objective-C, Spring Boot, MySQL, Crashlytics, AWS, JSX, Redux, Redux-Sagas, Swift, and CI/CD.

- **Namasthe India:** Another noteworthy project I led was the development of Namasthe India, an innovative e-commerce platform specifically tailored for restaurant management. The project involved a seamless integration of front-end and back-end systems, which greatly optimized performance and scalability. Key implementations in the project included the use of Redux for efficient state management and Docker for containerization of the Spring Boot backend, a strategy that significantly enhanced reliability and scalability. The technologies employed in this project spanned across React Native, Android, Objective-C, Spring Boot, MySQL, Crashlytics, AWS, JSX, Redux, Redux-Sagas, Swift, and CI/CD.

FBM - LaundryX

At LaundryX, I made significant contributions to the creation of a cutting-edge online platform that has revolutionized the laundry service industry. This innovative solution streamlined the process of scheduling cleaning tasks, inspection workflows, and client interactions, significantly enhancing operational efficiency and customer satisfaction.

- **FBM Mobile:** I was instrumental in the development of the FBM mobile application, which is available for download [here](#). The application was designed to provide clients and cleaners with a seamless mobile experience, making it easy for them to manage their tasks on the go. We leveraged the capabilities of React Native and Redux Toolkit to ensure smooth performance and efficient state management, resulting in a highly responsive and user-friendly application.
- **FBM Web:** I also made significant contributions to the development of the FBM web platform, which can be accessed [here](#). The web platform was designed to enable easy access and management of cleaning tasks and schedules, making it an essential tool for both clients and cleaners. For the development of the web platform, we utilized React Native for web development and integrated it with the Laravel backend to ensure robust functionality and a seamless user experience.

RestaurantX

In my role at RestaurantX, I was instrumental in developing an intuitive online food ordering platform that has bridged the gap between restaurant owners and customers. This platform empowered users to conveniently order food, arrange pickups or deliveries, and reserve tables, fostering seamless interactions and transactions.

- **RestaurantX Web:** I played a key role in the development of the RestaurantX web platform, which can be accessed [here](#). The web platform was designed to enable users to access the platform's features and functionalities seamlessly from their desktop or mobile browsers. We leveraged React Native for web development to ensure a responsive and engaging user experience, making it easy for users to navigate through the platform.
- **RestaurantX Mobile:** I was also involved in the creation of the RestaurantX mobile application, which can be downloaded [here](#). The mobile application provided users with a convenient way to order food, request deliveries, and make reservations on the go. We employed React Native and Redux Toolkit for efficient mobile app development, ensuring that the application was not only responsive but also user-friendly.

References:

- [Namaste India](#)
- [SpotonMoney](#)
- [FBM - LaundryX](#)
- [FBM - LaundryX Web](#)
- [RestaurantX](#)
- [RestaurantX Web](#)

Software Engineer - Adage Digital

September 2020 - August 2021

My professional experience in software engineering has been marked by the application of various technologies, including Next.js, Microservices Architecture, Docker Swarm or

Kubernetes, Stripe Payment Intents API, and Learning Management System (LMS)

Integrations:

- **Next.js:** I leveraged Next.js for server-side rendering and static site generation. This substantially enhanced the Search Engine Optimization (SEO) and performance of the educational platform I was working on. By allowing each page to pre-render at build time, we were able to provide instantaneous loading and a better user experience.
- **Microservices Architecture:** A significant part of my work involved breaking down the Node.js backend into smaller, more manageable pieces. This approach, known as Microservices Architecture, improved the scalability of our system and made updates easier to implement. It allowed us to develop, deploy, and scale individual components of our application independently, leading to greater flexibility and efficiency.
- **Docker Swarm or Kubernetes:** To better manage and orchestrate our containerized applications, I utilized tools like Docker Swarm and Kubernetes. These technologies played a critical role in ensuring high availability and load balancing. Their use streamlined the deployment process, improved our capacity to recover from system failures, and led to more efficient use of resources.
- **Stripe Payment Intents API:** To handle more complex payment flows, such as subscriptions with free trials, discounts, or multiple subscription tiers, I integrated the Stripe Payment Intents API. This API allowed us to implement dynamic and flexible payment options, enhancing the overall user experience and boosting the platform's revenue.
- **Learning Management System (LMS) Integrations:** I expanded the platform's capabilities in course management and delivery by integrating it with Learning Management Systems (LMS) such as Moodle or Canvas APIs. This enabled users to access a wider range of educational resources and tools, contributing to the platform's value proposition.

One of the most significant projects I worked on during this period was the Lawma Academy:

- **Project: Lawma Academy** - I was instrumental in creating a digital educational platform that incorporated a payment gateway. We adhered to a React component and container pattern which allowed for a modular and maintainable codebase.
- I designed and implemented a robust back-end architecture using Node.js and MySQL. This architecture was hosted on Docker, enhancing both performance and scalability. This setup allowed us to handle large amounts of data and user requests efficiently.
- I also integrated Stripe for payment processing. This integration established a reliable subscription model for the platform's services, providing a steady revenue stream and

improving financial stability.

- **Technologies:** The platform was built using a variety of technologies, including React.js, Node.js, Redux, Firebase, AWS, Digital Ocean, REST API, and CI/CD. Each of these technologies played a crucial role in shaping the platform's functionality and performance.
- **Reference:** [Lawma Academy](#)

Associate Software Engineer

Victory Information (Pvt) Limited & Genxt Sri Lanka (Pvt) Limited

December 2019 - September 2020

During my tenure as an Associate Software Engineer at Victory Information (Pvt) Limited & Genxt Sri Lanka (Pvt) Limited, I was involved in two key projects that honed my technical skills and enriched my professional development.

- **ERP Payroll System for Genxt Sri Lanka:** One of the main projects I was tasked with was designing and developing a web portal for employee back-office tasks. This project was focused on creating a leave calculation module that would streamline the process of managing employee leaves. Given the complexity and precision required, this project challenged me to utilize my skills effectively and efficiently.
 - **Technologies Used:** To successfully develop this project, I used a wide array of technologies including [ASP.Net](#), Entity-Framework, [ADO.Net](#), Web Forms, WEB API, LINQ, EDMX, GitHub, WCF, WPF, and CI/CD. These technologies enabled me to build a robust, secure, and scalable web portal that met the client's needs effectively.
- **SriKantha Motors (Pvt) Limited:** Concurrently, I was also involved in developing a budget management web app for SriKantha Motors (Pvt) Limited. This project required the use of Angular 6 for the front end and Spring Boot for the back end, all within an event-driven architecture. This project was an excellent opportunity to further my understanding of front-end and back-end development, as well as the integration between the two.
 - **Technologies Used:** To ensure the success of this project, I utilized a variety of technologies including Angular 6, Spring Boot, Kafka, .NET, MySQL, Protractor, React.js, Node.js, Redux, Firebase, Azure DevOps, Digital Ocean, MongoDB,

CI/CD. These technologies were instrumental in developing a functional and user-friendly budget management app.

Intern Software Engineer

Koombiyo IT

January 2019 - December 2019

During my time as an Intern Software Engineer at Koombiyo IT, I had the opportunity to contribute to several noteworthy projects. My role was instrumental in bringing digital solutions to end-users, and in doing so, I gained experience working with a diverse range of technologies.

- **KoombiyoDelivery.lk**: I had the opportunity to work on KoombiyoDelivery.lk, a logistics platform that reaches millions of users every month. The primary aim of this platform is to digitize package delivery services, making them more accessible and efficient for end-users. My role involved working on various aspects of the platform, from front-end development to back-end integration, which allowed me to hone my technical skills and gain a good understanding of the logistics industry.
 - **Technologies Used**: For this project, I utilized a variety of technologies including React.js for the front-end development, Node.js for the backend, Redux for state management, Firebase for cloud services, and MongoDB for the database. Additionally, I used Azure DevOps and Digital Ocean for development operations and REST Api for the interface. Continual Integration and Continuous Deployment (CI/CD) were also integral parts of the development process.
 - **Reference**: <https://koombiyodelivery.lk/>
- **Ayp. lk**: Another significant project I contributed to was Ayp. lk. This platform is one of the leading e-commerce platforms in Sri Lanka, providing buy-and-sell services to end-users. A key aspect of this platform is its front-end architecture, which is based on React. During my tenure, I was responsible for contributing to the platform's development, which provided me with a comprehensive understanding of e-commerce operations and advanced my front-end development skills.
 - **Technologies Used**: Similar to KoombiyoDelivery.lk, this project involved using React.js for the front end, Node.js for the back end, and Redux for state management. Firebase provided cloud services, while Azure DevOps and Digital Ocean facilitated development operations. MongoDB served as the database, and

REST Api was used as the interface between different software components. The development process also heavily relied on CI/CD for efficient and reliable updates.

- **Reference:**

<https://ayp.lk/>

<https://koombiyodelivery.lk/>

https://koombiyodelivery.lk/Track/track_id