

# Himateja Merlapaka

Frontend Engineer · Fullstack Engineer · Entrepreneur

I am a front-end focused full-stack engineer with over 9 years of experience in creating innovative, user-centric digital solutions using ReactJS, TypeScript, and JavaScript.

At BlackBerry, I led the frontend development of BlackBerry Assistant, an internal AI tool, and provided full-stack support for migrating a legacy OnPrem product, ensuring seamless transition and enhanced performance.

At Index, enhanced platform usability and performance by developing key features such as onboarding, settings, and Stripe payment integration.

My contributions have improved user engagement, streamlined processes, and delivered tangible business value in a highly competitive tech startup landscape.

Previously, I had implemented the Safe Reopen module for Involvio, an education startup, maintaining user privacy and safety.

## Work Experience

### Senior Frontend Engineer, BlackBerry, Bengaluru, India

On-site

Sep '23 - Present · 1 Year

BlackBerry provides organizations and governments with the software and services they need to secure the Internet of Things. Learn how BlackBerry Cybersecurity powered by Cylance AI can protect your people, network, and data.

Tech Stack: React JS, NextJS, TypeScript, GraphQL, Node JS, DynamoDB, MaterialUI, Tailwind

- Provided full-stack support for a legacy OnPrem product during a migration from CentOS to the latest Ubuntu LTS, with a product that is 5 to 6 years old running on PHP Laravel, Python, Django, and Docker.
- Driving the development of intuitive interfaces for BlackBerry Assistant, an internal AI tool for employees. This tool is similar to ChatGPT and has the potential to be exported as a separate product.
  - The API/AI is built on AWS Bedrock and Python, with PostgreSQL as the database, and the frontend is built using NextJS, Tailwind, and Radix UI.
- Leading the modernisation of BlackBerry's 15-year-old legacy UI using React, TypeScript, and Material UI, enhancing user experience and system performance.
- Implementing best practices and design patterns for a scalable and maintainable codebase.
- Collaborating with cross-functional teams to deliver a seamless user experience, providing technical guidance and mentorship to junior developers.
- Architecting and implementing reusable, modular components using React and TypeScript, optimizing performance and rendering techniques.
- Integrating Material UI framework to create a modern, visually appealing, and responsive UI that adheres to BlackBerry's design guidelines.
- Conducting code reviews, writing unit tests, and implementing CI/CD pipelines to ensure code quality, maintainability, and reliability.

### Full Stack Engineer, Index, California (USA)

Remote

Sep '21 - Apr '23 · 20 Months

Index is a platform that allows you to create visually stunning and powerful dashboards using the data you already have.

Tech Stack: React JS, TypeScript, GraphQL, Node JS, PostgreSQL, SCSS, Prisma, TypeGraphQL

- Enhanced the user experience on the company's internal dashboard by migrating from Ant-design to Radix-UI, delivering a more visually appealing and user-friendly interface.
- Added key features such as Onboarding, Settings, Filters, Alerts, Regex Syntax Highlighting, and Invites to provide user-friendly solutions
- Integrated Stripe payment gateway and invoicing systems to ensure seamless and secure processing of payments

### Full Stack Engineer, Feathery, California (USA)

Remote

Jun '21 - Aug '21 · 3 Months

Feathery is a premium form builder empowering product teams to build best-in-class forms

## WEBSITE / PORTFOLIO

<https://himateja.com>

## LinkedIn

<https://linkedin.com/in/himateja>

## GitHub

<https://github.com/iamhimateja>

## EMAIL

[hello@himateja.com](mailto:hello@himateja.com)

[himatejamerlapaka@gmail.com](mailto:himatejamerlapaka@gmail.com)

## MOBILE NUMBER

+91 8367567652

## CALENDLY

<https://cal.com/himateja>

<https://calendly.com/himateja>

## ADDRESS

D-No. 3-85,  
Kavali Street, Vadamalapet,  
517551,  
Andhra Pradesh, India

## EDUCATION

2014 - 2016

### Master of Technology in Computer sciences

Siddhartha Institute of Science & Technology  
Puttur, Andhra Pradesh

2010 - 2014

### Bachelor of Technology in Computer sciences

Sri Venkatesa Perumal College of  
Engineering & technology  
Puttur, Andhra Pradesh

## SKILLS

### Languages

JavaScript, TypeScript, CSS/SCSS/SASS, Ruby

### Frontend Libraries & Frameworks

React JS, NextJS, Redux, Vue.js, Nuxt, Zustand,  
jQuery, Tailwind, Bootstrap

### Backend Libraries & Frameworks

Node.js, Express Js, GraphQL, Apollo Client, RoR

## Databases

MySQL, PostgreSQL, MongoDB

and user journeys.

Tech Stack: React JS, TypeScript, Django, PostgreSQL, SCSS

- Implemented the Live Edit functionality for the form builder allowing users to make real-time changes and preview them instantly
- Utilized modern frontend technologies like React JS and SCSS to enhance the user interface and responsiveness of the platform
- Collaborated with cross-functional teams to integrate new features in a seamless manner and align with company goals and vision

## Software Engineer, Involvio, Bengaluru, India

Jul '19 - May '21 · 23 Months

**Involvio** (acquired by Cisco) is a leading student engagement platform that empowers mobile solutions to improve student engagement and retention.

Tech Stack: React JS, Ruby on Rails, SCSS, Haml, JavaScript, PostgreSQL

- Orchestrated the Sub-Admin teams feature and meticulously designed frontend UI with Haml/JavaScript
- Architected a PostgreSQL-backed solution for primary admin staff permissions and optimized management efficiency
- Engineered the Safe Reopen module for COVID-19 Exposure Notification and Health Pass, leveraging Ruby on Rails, Haml, and JavaScript
- Delivered a comprehensive solution that facilitated safer reopening strategies for educational institutions.
- Revitalized the company admin tools, boosting page load speed by 30% and significantly enhancing the overall user experience for increased user satisfaction & productivity
- Integrated the CampusKit Semester/Classes API with Ellucian Banner V9, enabling seamless synchronization of class and student data for customers

## Associate Product Manager & Sr. Software Engineer, Halemind, Tirupati, India

Dec '15 - Jun '19 · 43 Months

**Halemind** is an inventive, leading-edge, and connected EMR (Electronic Medical Records) and HMS (Hospital Management System) that empowers independent practices and hospitals.

Tech Stack: Ruby on Rails, JavaScript, HTML/CSS, jQuery, MySQL

- Spearheaded a cross-functional team of 9 for driving project execution and ensuring timely delivery while enhancing product capabilities and market reach
- Pioneered a centralized chat system, utilizing Ruby on Rails, ActionCable, and JavaScript (jQuery), bolstering staff productivity and streamlining communication
- Revolutionized patient-facing dashboards for hospitals, doctors, and patients, elevating user experience and fostering increased engagement
- Implemented end-to-end build of Exam Ophthalmology, Dental Restorative, and Orthodontic, using Ruby on Rails, HTML5, SCSS, SVG, and JavaScript, providing comprehensive patient examination tools. Resulting in elevating patient engagement & increasing test accuracy by 75%.
- Crafted an innovative Appointment Dashboard (Whiteboard) optimizing appointment management and reducing patient wait times by 15 minutes

## PERSONAL PROJECTS

### 1. Rick and Morty Characteropedia

Tech Stack: React JS, Typescript, API, GraphQL, Apollo Client

A web application that provides detailed information about Rick and Morty characters, allowing users to explore their favorite characters in-depth.

<https://rick-n-morty.himateja.com>

<https://github.com/iamhimateja/onscreen-keyboard>

### 2. TrendZ - E-commerce website

Tech Stack: React JS, Node, GraphQL, Firebase's Firestore

An e-commerce website designed for a fashion brand, featuring a modern, user-friendly interface for seamless online shopping experiences.

<https://trendz.himateja.com>

<https://github.com/iamhimateja/trendz.fashion-frontend>

### 3. Lyrics Finder

Tech Stack: React JS, Node, API, SCSS

A web application enabling users to search and find song lyrics using Lyrics.ovh's API, making it easy to discover and enjoy the words behind their favorite tunes.

<https://lyrix.himateja.com>

<https://github.com/iamhimateja/lyrics-finder>

### 4. Onscreen Keyboard

Tech Stack: CSS, JavaScript (ES6)

Designed and built a 3D virtual keyboard using CSS Grid, HTML, and JavaScript (ES6)

<https://virtual-keyboard.himateja.com>

<https://github.com/iamhimateja/onscreen-keyboard>

### 5. Breaking Bad Grocery List

Tech Stack: CSS, JavaScript (ES6)

A Breaking Bad-themed grocery list app, adding a fun twist to the mundane task of tracking grocery items.

<https://breaking-bad-groceries.himateja.com>

<https://github.com/iamhimateja/grocery-list>

### 6. Algorithm Visualizer

Tech Stack: CSS, JavaScript (ES6)

A web application that visualizes various algorithms, helping users better understand the inner workings of different programming solutions

<https://algorithm-visualizer.himateja.com>

<https://github.com/iamhimateja/algorithm-visualizer>