

# Subhabrata Karmakar

Technical Lead at LearningMate | Full-Stack Engineer (MERN)  
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## About

- As a seasoned **Technical Lead and Full-Stack Engineer with over 5+ years of experience**, I lead a team at LearningMate, optimising the Learning Management System (for CCA) with advanced code enhancements, ensuring code quality, security and efficiency.
- I have delivered critical components like the CMS and LTI using TypeScript, React.js, Redux, Node.js, and AWS. At Honeysys (Honebi), I architected and developed the 'Frontend Experience Builder (CMS),' a no-code SAAS solution for online storefronts.
- My work includes significant contributions to SAAS applications for international clients, focusing on high code quality and multidisciplinary collaboration. I am passionate about creating impactful technology products.

## Core Competencies:

- **Technical Leadership:** Strategic Planning, Team Leadership, Architectural Design
- **Full-Stack Development:** TypeScript, Javascript, React.js, Redux, Node.js, MongoDB, SCSS, Advanced CSS
- **Cloud & Infrastructure:** Docker, Linux, Grafana, Prometheus
- **Project Management:** Agile, Scrum, Git, CI/CD, Jenkins, SonarQube, security monitoring, identifying vulnerabilities and improving maintainability

## Signature Projects:

- **LearningMate:** Led production releases and system optimization, integrated SonarQube, delivered CMS and LTI components.
- **LearningMate:** Led teams to deliver critical components like the Content Management System (CMS) and Learning Tools Interoperability (LTI).
- **Honeysys (Honebi):** Developed the Frontend Experience Builder (CMS), a no-code platform for SAAS e-commerce applications.
- **SAAS Solutions:** Created SAAS applications with a focus on UI/UX and robust functionality for international clients.

## Decentralised Applications (DApps):

I have also worked on decentralised apps for the last four years, including projects like:

- An **NFT platform running on the Ethereum 2.0** network
- A **Swapping platform** running on the Tron network
- **Built a network** as per the Ethereum 2.0 whitepaper
- **Central Bank Digital Currency (CBDC)**
- **Supply Chain Network**

## Experience

### LearningMate (2 Years 8 Months)

Mumbai, Maharashtra, India - Remote

- **Technical Lead** (Dec 2021 - Present)
  - Delivered continuous production releases for the Learning Management System with code and computational optimization.
  - Integrated SonarQube for continuous code quality and security monitoring.
  - Managed and led the team to deliver the CMS with Course Templates, ensuring proper functionality.
  - Led the frontend team using TypeScript, ReactJs, Redux, and other technologies, delivering LTI as an NPM package.

- Developed the parent platform with TypeScript, ReactJs, and Webpack for seamless integration with the child NPM module.
- Joined the LCMS team as a Senior Software Engineer.
- Managed and led the team to deliver E-Learning Tools Interoperability, ensuring the parent application had necessary features.

## **HONEYSYS IT SERVICES PRIVATE LIMITED** (1 Year 3 Months)

*Bengaluru, Karnataka, India - Remote*

- **Senior Software Engineer** (Oct 2020 - Dec 2021)
  - Architected Honeysys' cloud-based SAAS CMS for incremental website page creation and EComm web application building.
  - Deployed the "Frontend Experience Builder (CMS)" for no-code online storefront setup (Honebi).
  - Utilised a tech stack: React, TypeScript, JavaScript, SCSS, Redux, MongoDB, Node.js, Webpack, AWS, Linux, EC2, PM2.
  - Contributed to a cloud-based SAAS E-Commerce shopping cart solution for effortless online store setup.
  - Developed a versatile product with multiple pricing plans for businesses of all sizes.
  - Integrated with delivery services, E-Commerce platforms, POS systems for scalability and growth.
  - Focused on UI/UX development using React.js, JavaScript, styled-components, Redux, react-router-dom, CSS, and SCSS.
  - Enhanced application UI/UX and design systems functionalities.

## **CoalesceFlow Pvt. Ltd.** (3 Months)

*Pune, Maharashtra, India - Remote*

- **Software Engineer** (Aug 2020 - Oct 2020)
  - Developed SAAS applications with React.js and JavaScript, enhancing UI/UX and design systems for international clients.
  - Utilised libraries like styled-components, Redux, react-router-dom, CSS, and SCSS.
  - Collaborated effectively with multidisciplinary teams for seamless project execution.
  - Designed and implemented architecture for a European real estate project with advanced animations using Three.js and WebGL.
  - Worked on projects for clients like Shape-In HR Management (Spain), ensuring compliance with GMBH policies.

## **Sanatan Digitizers** (1 Year 1 Month)

*Guwahati, Assam, India*

- **Software Engineer** (Aug 2019 - Aug 2020)
  - Developed functional user interfaces with exceptional UX, writing modern, robust code for diverse projects.
  - Built admin panels, e-commerce platforms, and websites using JavaScript, React, Node.js, CSS, SASS, HTML, and styled-components.
  - Collaborated daily with multidisciplinary teams to ensure successful project outcomes.

## **Education**

- **Vishwakarma Institute Of Technology,**  
*Pune, Maharashtra, India*  
*Bachelor of Engineering - Mechanical Engineering*  
*June 2014 - Nov 2018 – Grade: Dropped Out*
- **Maharashtra State Board of Technical Education (MSBTE),**  
*Pune, Maharashtra, India*  
*Diploma - Mechanical Engineering*  
*Apr 2009 - May 2014 – Grade: 65%*
- **Kendriya Vidyalaya**  
*Schooling – Grade: 56%*

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