

Core Skills

Frontend

- React.js | JavaScript (ES6+)
- Redux, Redux Toolkit, Context API
- TypeScript: Used for React component typing, API contracts, and refactoring
- Component-driven architecture
- Performance optimization
- Responsive & accessible development
- CSS3, SCSS, LESS (modular and scalable styling)
- Cross-browser compatibility

Design Skills

- UX design for web & mobile applications
- User flow creation based on business and functional requirements
- Wireframes and interactive prototypes
- Design system and pattern library implementation

Backend

- Node.js, Express.js
- RESTful API integration
- Authentication (JWT)
- Server-side caching strategies
- Database integration (read/write operations, basic queries)

AI-Assisted

- GitHub Copilot for unit test generation, bug detection, and refactoring
- AI-assisted development workflows with manual validation

Tools & Platforms

- MS Visual Studio
- Amazon Web Service (AWS) - S3, Cloud Front, Route53, EC2
- Docker
- SonarQube
- Bruno / Postman
- Azure DevOps CI/CD pipelines
- Jira
- GitHub
- Adobe XD
- Photoshop
- Figma

Karthick Kumar B

Senior Full-Stack Engineer | Technical Lead

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Profile Summary

Senior Full-Stack Engineer / Technical Lead with 12+ years of experience building web applications across banking, IoT, and enterprise domains. Hands-on with React, TypeScript, Redux, Node.js, and Express, with experience leading a 12-engineer team. Currently delivering customer-facing banking features for Lloyds Banking Group through TCS, with a focus on testing, code quality, CI/CD, and reliable releases.

Experience

Tata Consultancy Services Bangalore, India

Client : **Lloyds Banking Group, UK**

Senior Engineer



April 2024 to Present

- Deliver React features and Node.js microservice/API integrations for a customer-facing UK banking application, connecting frontend journeys with backend services.
- Own features from refinement and estimation through implementation, testing, release, and production support.
- Maintain 80%+ unit and integration test coverage using Jest and React Testing Library; develop Playwright automation for key banking flows.
- Investigate production issues and trace application behavior across services using Dynatrace.
- Support Azure DevOps CI/CD pipelines, resolve Docker build issues, enforce SonarQube quality gates, and address vulnerabilities identified by Sonatype Nexus.
- Collaborate with TCS and Lloyds Banking Group teams on secure UI changes, API integration, and releases.
- Use GitHub Copilot to identify test cases and edge conditions, with manual review of the resulting code.



Domain Knowledge

- Banking and Finance
- IoT (Internet of Things)
- Enterprise Applications
- Ecommerce
- Digital marketing



Education

2011 - 2014

B.E - Computer Science and Engineering (6.77 CGPA)

Nadar Saraswathi College of Engineering and Technology | Anna University, Theni, Tamil Nadu, India

2008 - 2011

Diploma - Computer Engineering (74%)

Sai Jothi Polytechnic College | Directorate of Technical Education, Madurai, Tamil Nadu, India



Awards

- TCS (S)miles Award – Multiple times for outstanding contribution
- On the Spot (Team) Award – TCS
- Xcelerate Warrior Recognition – TCS
- Achieved “Performer of the Month” two times in Infinite.
- Achieved “Code Master of the Year” award by SuperBotics

Infinite Computer Solutions Bangalore, India

Client : **Qualcomm, US**

Senior Technical Lead

November 2021 to April 2024



- Led a team of 12 engineers delivering IoT web applications using React, Redux, and Node.js.
- Built Drone First Responder workflows in React and Redux Toolkit, integrating Google Maps for incident locations and drone tracking, live video streaming, and operator controls.
- Designed reusable component architecture with performance optimization techniques.
- Developed backend APIs using Node.js and Express with caching strategies to improve response times.
- Implemented Progressive Web Applications (PWA) to enhance mobile experience.
- Conducted code reviews, mentored junior developers, and ensured adherence to best practices.

i-Exceed Technology Solutions Bangalore, India

Senior Software Engineer / Team Lead

March 2019 to November 2021



- Led UX and frontend development for enterprise banking applications.
- Created user flows, wireframes, and prototypes based on business requirements.
- Delivered responsive, cross-browser UI modules.
- Executed SASS pre-processor and grid-based architecture in the existing product.
- Conducted technical interviews and mentored frontend engineers.

Earlier Experience (Summary)

Frontend Team Lead / Frontend Developer

June 2014 to March 2019

- Developed responsive web and hybrid mobile applications.
- Built CMS-driven and enterprise web applications.
- Built e-commerce websites, landing pages, email campaigns, and digital marketing assets.