

Tunir Saha

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Full Stack Developer with 11+ years architecting and delivering scalable web, mobile, and cloud applications for high-volume enterprises with expertise across **Angular** and **React** ecosystems, complemented by **Node.js**, **Python**, **SQL/NoSQL** databases, and **AWS/Azure/GCP** cloud platforms.

Experience

Fair Isaac India Software Pvt. Ltd. (FICO)

Bengaluru, India

Lead Engineer

Oct 2024 - Present

- Architect enterprise Micro-Front End (MFE) solutions using **Angular 20** and **Module Federation**.
- Build reusable, performance-optimized UI component libraries consumed across multiple engineering teams.
- Establish scalable frontend architecture and shared development standards for enterprise applications.
- Implement automated testing with **Jest** and **Playwright**, strengthening application quality and release confidence.

IBM India Pvt. Ltd.

Bengaluru, India

Senior System Analyst

Jan 2022 - Oct 2024

- Engineered **Micro-Front End (MFE)** solutions for logistics platforms via **Module Federation** with **Angular 14** and **React 17/18** remotes, enabling seamless cross-application integration.
- Pioneered a reusable **UI Component Library** shared across Angular and React products, cutting development time by **40%** and unifying design language.
- Built and maintained **Node.js/Express** middleware and REST services over **PostgreSQL**, deployed on **Azure**.
- Collaborated with cross-functional stakeholders to translate business requirements into scalable technical solutions while driving architecture discussions and maintaining code quality through peer reviews.
- Eradicated technical debt across legacy products, improving maintainability, scalability, and performance.

Accenture Solutions Pvt. Ltd.

Bengaluru, India

Application Development Specialist (Team Lead)

Apr 2021 - Jan 2022

- Designed full stack solutions with **Angular 12**, **React 17**, and **Node.js**, contributing to scalable internal web applications for **Microsoft** on **Azure**.
- Boosted application performance by **30%** by modularizing data handling, reducing render times, and optimizing API consumption.
- Led cross-functional collaboration across 6 developers, driving high-velocity feature delivery and technical debt reduction.

Blue Space Labs Pvt. Ltd.

Remote

Associate Technical Lead

May 2020 - Apr 2021

- Orchestrated end-to-end development of **Bluwyre (MVP)**, a telecommunications platform, including solution architecture, reusable component design, high-performance frontend development, and intuitive UX.
- Built UI with **Angular 10** and **React 16**, cutting time-to-market by **20%**; delivered cross-platform mobile apps with **Ionic**.
- Developed **Node.js** REST APIs and maintained legacy **PHP/MySQL** modules, with deployments and media pipelines on **AWS**.
- Led 2 cross-functional teams (15 mobile and web developers), delivering end-to-end solutions for an international telecom client.

Bridgera LLC (Spectraforce)

Kolkata, India

Senior Software Engineer

Jan 2020 - May 2020

- Engineered real-time, event-driven dashboards with **Angular 8**, **Node.js**, **MongoDB**, **MySQL**, and **Socket.IO**, powering live data visualization for flagship healthcare IoT products on **AWS**.
- Contributed to **Ionic** companion mobile apps and **core PHP/MySQL** admin modules; collaborated with the embedded team on **IoT firmware** integration and telemetry.

Cognizant Technology Solutions

Kolkata, India

Associate

Oct 2014 - Jan 2020

- Developed full stack applications with **React 15/16**, **Angular (2, 4, 6)**, **JavaScript**, **jQuery**, **Bootstrap**, **HTML5**, and **CSS3** across Energy & Utility, Travel, Health, Education, Entertainment, and Banking domains.
- Built server-side modules in **core PHP** and **Node.js** with **MySQL/SQL**, supporting application deployments on **AWS**.
- Modularized and upgraded legacy codebases to modern standards, improving maintainability and scalability.
- Delivered accessibility-first UIs meeting **WCAG 2.1** compliance for inclusive user experiences.

Education

B.P. Poddar Institute of Management & Technology

Bachelor of Technology in Electrical Engineering; CGPA: 7.75

Kolkata, India

Aug 2014

Army Public School, Barrackpore

Higher Secondary (CBSE AISSCE); 83%

Kolkata, India

Aug 2010

Army Public School, Barrackpore

Senior Secondary (CBSE SSC); 86%

Kolkata, India

Aug 2008

Skills

Languages: JavaScript (ES6+), TypeScript, Python, PHP (Core & 7.x), SQL

Frontend: Angular (2–20), RxJS, NgRx, NgXs, Module Federation, React (15–18), Redux, Thunk, PrimeNG, Material, Ionic, Bootstrap, jQuery, HTML5, CSS3, SCSS, LESS

Backend: Node.js, Express, FastAPI, REST APIs, Socket.IO

Databases & ORMs: PostgreSQL, MySQL, MongoDB, Sequelize, Mongoose

Cloud & DevOps: AWS, Microsoft Azure, GCP, Docker, CI/CD, Heroku

Testing: Jasmine, Karma, Jest, Enzyme

Tools: Git, GitHub, Bitbucket, GitLab, TortoiseSVN, Postman, Insomnia, Webpack, npm, Jira, Trello, Asana, VS Code, Figma, Adobe Photoshop

AI-Assisted Dev: Claude, Cursor, GitHub Copilot, KiloCode

Certifications

- JavaScript Full Stack Developer (Jun 2023)
- IBM Garage Essentials (Jan 2023)
- Microsoft Certified: Azure Fundamentals (AZ-900) (Jan 2022)

Awards

- AWS Cost Optimization Hackathon (FICO) — Winner, Worldwide (May 2026)
- ServiceNow Create-A-Thon (Cognizant) — Winner, Kolkata (Jan 2018)
- Digital Champion of the Quarter (Cognizant) (Jan 2017)
- Present Around The World — The Institution of Engineering & Technology (Mar 2012)

Languages

- English (Native/Bilingual)
- Hindi (Native/Bilingual)
- Bengali (Native)

Interests

- DIY Electronics
- Chess (5-minute Blitz)
- Music
- Off-road Motorcycling