Prince Paulose

SENIOR SOFTWARE ENGINEER

✉ princepaulose1996@gmail.com 📞 +91 7591944220 📍 Kerala, India 🌐 princepaulose.netlify.app

---

ⓘ PROFESSIONAL SUMMARY

Senior Software Engineer with around 8 years of experience building scalable product platforms using React, TypeScript, and Node.js. Strong background in product-driven engineering, developer experience, and system design. Proven ability to own complex systems end-to-end, mentor engineers, and ship reliable software at scale. Recently focused on AI agent systems for engineering productivity, combining LLMs with real-world workflows.

🔧 CORE COMPETENCIES

PRODUCT ENGINEERING

React TypeScript Next.js Node.js

REST & GraphQL Frontend Architecture

Performance Optimization

SYSTEM DESIGN & BACKEND

Microservices API Design BFF Pattern

Event-Driven Systems SQL & NoSQL Caching

Async Processing

AI & APPLIED ML

LLM Integration AI Agents Tool-Calling

Vector Search

CLOUD & ENGINEERING STANDARDS

AWS (Lambda, EC2, S3) Docker CI/CD

Testing (Jest, RTL, E2E) Code Reviews

💼 PROFESSIONAL EXPERIENCE

IBM India Software Labs
Senior Software Engineer

May 2024 – Present
Kochi, India

- Lead the implementation of **Data Product Hub**, a next-generation platform for enterprise-wide discovery, governance, and reuse of data products.
- Architected **scalable self-serve workflows** and **API-first delivery mechanisms** using **Node.js** to streamline data product publication and consumption.
- Built **metadata indexing** and **search features** that significantly reduced data lookup times by enabling discovery through domain tags and usage context.
- Integrated **data contract enforcement** and lifecycle policies to ensure strict security and compliance standards across all curated data assets.
- Standardized engineering excellence through comprehensive **testing strategies (E2E)**, **observability pipelines**, and performance profiling.

Capgemini
Lead Software Engineer

Mar 2023 – Apr 2024
Bengaluru, India

- Led development of a **large-scale incident and operations management platform** used by distributed teams across regions.
- Designed and owned a **Backend-for-Frontend (Node.js + GraphQL)** that simplified data access for React clients and reduced frontend complexity.

- Built **internal tooling and abstractions** that reduced feature development time and improved code consistency across teams.
- Served as **technical lead** for a team of 5 engineers, balancing delivery, code quality, and long-term maintainability.

Toobler Technologies
Feb 2019 – Feb 2023
Senior Software Engineer
Kerala, India

- Architected a low-latency **Interactive Event Management Platform** utilizing **WebRTC and Socket.io**, supporting **10k+ concurrent users** with real-time video/messaging.
- Built a modular **Course Creation engine** with a drag-and-drop React architecture, enabling rich content authoring for a global education platform.
- Designed **real-time IoT Analytics Dashboards** processing **5k+ events/sec**, focusing on high-performance React visualization and data streaming.
- Mentored engineering teams and established standardized full-stack best practices, focusing on **frontend-first architectural thinking**.

IPSR solutions ltd, Kochi (Internship)
Aug 2018 – Jan 2019
Python Developer Intern (Django)
Kochi, India

- Built backend architectures and full-stack features using Python and Django.

🗀 KEY ENGINEERING PROJECTS

AI Engineering Productivity Agent
AI & Developer Tools

React, TypeScript, Node.js, LLMs, Vector Search

Multi-agent AI system designed to assist software engineers with everyday development tasks. Agents handle Codebase intelligence, Ticket-to-implementation planning, and PR review assistance. Built with a lightweight orchestration layer for reasoning and tool calling.

Smart Expense Tracker Platform
Full Stack Ecosystem

React, Redux Toolkit, Java, Spring Boot, Docker

Enterprise financial ecosystem leveraging decoupled microservices and a high-performance React frontend. Features secure JWT auth, event-driven consistency, and Redux Toolkit state management with normalized caching.

EDUCATION & HONORS

University of Calicut
2014 – 2018
B.Tech – Computer Science and Engineering

GEM (Going the Extra Mile) Award
2023
Awarded by Capgemini for exceptional architectural ownership and delivery excellence.

PERSONAL INFO

Languages: English, Malayalam, Hindi

DOB: 9th October 1996