

Emmanuel Wilson

AI Frontend / Full-Stack Engineer

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Profile Summary

Software Engineer with ~4 years of experience building **AI-enabled, production-grade web applications** using React, TypeScript, JavaScript and backend APIs. Strong track record of **owning high-impact, customer-impacting production problems**, resolving high-priority issues and delivering scalable solutions across business-critical HRMS workflows.

Professional Experience

Software Engineer | SDE 1 | Kredily – Bangalore, India

Jan 2023 – Sept 2026

- Built and scaled **production-grade HRMS applications** supporting approximately **150K–200K daily active users** across Payroll, Attendance, Employee Management, Insurance, Rewards and Performance workflows.
- Owned end-to-end resolution of **customer-impacting production issues** across critical HRMS modules, driving investigation, root-cause analysis, implementation, QA/UAT validation and production release.
- Drove resolution of **High/Highest-priority production and CX escalations**, translating business and customer problems into production-ready engineering solutions under tight release timelines.
- Led migration toward a unified **React + Vite architecture** and reusable component system, reducing combined bundle size by **~60%** and repeated development effort by **~50%**.
- Led frontend performance and reliability improvements using **code splitting, lazy loading, virtualization, React Suspense and optimized data fetching**, improving initial-load performance by **~40%** and large-data rendering by up to **10×**.
- Strengthened production application security through **SSO, Content Security Policy (CSP), secure cookies and XSS/CSRF protection**.
- Introduced **Vitest and JSDoc** practices to improve automated testing, code quality, documentation and developer onboarding.
- **Delivered end-to-end frontend solutions across 6+ business-critical HRMS modules**, handling complex business rules, API integration, state management and production issue resolution across Leave, Attendance, Payroll, Insurance, Rewards and AI workflows.
- Delivered complex business workflows including **recurring payroll loan deductions, 24-hour flexible shifts, overtime approval and attendance geo-fencing**, spanning business rules, API integration, state management and production UX.
- Built and integrated **REST APIs and backend services using Python/Django, PostgreSQL, Docker and GCP**, while delivering integrations across **Razorpay, BillDesk, ICICI Lombard, Xoxoday, Jify and SSO**.
- Integrated **LLM-powered workflows using ChatGPT/OpenAI APIs and Claude**, connecting AI-generated content with employee data, templates and production REST APIs to deliver AI-native product experiences.
- **Owned delivery across 250+ product and engineering tickets spanning core HRMS and AI initiatives**, delivering complex frontend architecture, business-critical workflows, AI-assisted experiences and customer-impacting production fixes across the platform.

Frontend Engineer | Intern | ForeignAdmits – Bangalore, India

Dec 2021 – Oct 2022

- Developed core systems including **loan workflows, CRM tools, and lead generation platforms**.
- Built reusable UI components using Formly and Angular architecture, **reducing development effort by ~50%**.
- Worked with **LoopBack APIs and MongoDB** while implementing secure routing and state management using **Angular 13**.
- Reduced operational costs by replacing third-party APIs with optimized in-house solutions.

Skills

AI / GenAI: LLM Applications, AI-Powered Workflows, ChatGPT API, Claude, AI Chat Interfaces, Prompt-Based Workflows, AI-Assisted Software Development

Frontend: React, TypeScript, JavaScript, Next.js, Angular, Vite, Redux, React Query, Context API, Tailwind CSS, shadcn/ui

Backend: Python, Django, REST APIs, PostgreSQL, MongoDB, Docker, GCP

Architecture: Frontend Architecture, Modular React, Reusable Components, Component Libraries, Micro-frontends, State Management, API Integration

Performance: Code Splitting, Lazy Loading, React Suspense, Virtualization, AG-Grid, Bundle Optimization, Rendering Optimization

Engineering: Vitest, JSDoc, Git, Debugging, Root Cause Analysis, Production Support, UAT, QA, Security

Integrations: Razorpay, Billdesk, ICICI Lombard, Xoxoday, Jify

Education

Bachelor of Computer Applications (BCA) | Bangalore University – Bangalore, India