

CLINT MATHEWS

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EXPERIENCE

Ford Motor Company

(Remote) India

Technical Lead (Senior Software Engineer)

Aug 2022 – present

- **Orchestrated the end-to-end delivery** of scalable backend services for the **monolith-to-microservices transition**, coordinating design, development, and deployment
- **Collaborated with hardware and firmware teams** to resolve complex cloud-to-charger integration issues, ensuring seamless **OCPP compliance** for new charger models
- **Partnered with CX and Product teams** to translate customer requirements into technical features, directly **improving** the user experience for fleet managers
- **Mentored junior engineers** through rigorous code reviews and technical guidance, improving overall code quality and reducing team **ramp-up time**
- **Owned L3 production support** for critical services, maintaining **99.95% uptime** and driving root cause analysis for incident resolution
- **Authored 3 foundational RFCs** to define technical strategy for **OCPP 2.x adoption** and core platform services

Experion Technologies

(Hybrid) Kochi, India

Software Engineer

Aug 2019 – Jul 2022

- **Directed technical delivery across 4 diverse enterprise projects** - spanning 2 complex frontend and 2 scalable backend systems - while mentoring teams of up to 10 developers
- **Delivered high-quality solutions end-to-end**, managing the full SDLC from requirement gathering to production deployment for key enterprise clients
- Contributed to a SaaS-based product for **Inventory tracking**, integrating with Sage ERP and increasing customer satisfaction by **25%**

SKILLS

Programming Languages: Golang, Python, TypeScript, JavaScript, C#

Backend & Cloud: NestJS, .NET Core, Kafka, AWS, Docker, Flask

Databases: PostgreSQL, MongoDB, Redis, MySQL

Frontend: React, Angular, Next.js, HTML5/CSS, JQuery

DevOps & Tools: Pandas, NumPy, Jupyter Notebooks, Datadog, Bash, Git, Jira, Confluence, CI/CD

PROJECTS

- **OCPP Gateway (Ford Pro): Central service for charger communication using OCPP protocol, featuring:**
 - Spearheaded the migration of **8,200 chargers** by designing and implementing a scalable gateway architecture, resulting in the **decommissioning** of ~2,150 legacy servers and **~\$9,000 in monthly cost savings**
 - Owned the complete service lifecycle as the core resource, handling all feature implementation, enhancements, bug fixes, and L3 production support to ensure high availability
 - Revamped Datadog logging and monitoring, **cutting infrastructure costs by 60%** while enhancing log filtering efficiency for faster issue detection and resolution
- **Global OCPP Simulator (Ford Pro): Handles charger simulation to mimic real charger behavior, featuring:**
 - Drove the development of the Global OCPP Simulator (GOS), delivering a platform that simulates over **2,000 chargers** to validate system performance and reliability at scale
 - Authored and drove the adoption of **5 foundational RFCs** that defined the core architecture and feature roadmap for the GOS platform
- **Fleet Consumer (Ford Pro): Kafka consumer to handle fleet charger messages, featuring:**
 - Architected a high-throughput Kafka consumer from the ground up, reliably processing over **6 million+ fleet charger messages daily** with a **99.9% data integrity rate**
- **ChargeBox Simulator (Ford Pro): Simulator used to simulate charger and charging sessions, featuring:**
 - Boosted simulation performance by **30%** and cut testing time by **40%** by overhauling the ChargeBox Simulator and implementing a test automation suite
- **FordProCharging FPC (Ford Pro), Charger Service: FPC SAAS product, EV charging solution, featuring:**
 - Served as the Subject Matter Expert (SME) for all charger data systems, owning the backend services (NestJS, MongoDB) that form the backbone of the Ford Pro Charging platform for 8,200+ chargers
- **Charging KPI Analytics System (Ford Pro):** Developed a KPI analytics system to measure the effectiveness and **ROI** of Ford's managed charging algorithms, translating complex data into actionable **business insights**
- **Jiralyzer (AI Hackathon Project):**
 - Built a full-stack AI analytics platform (React, Flask, GPT-4) that achieved **70%** faster response times by analyzing **100,000+** Jira issues with intelligent caching and parallel processing
 - Delivered enterprise-grade features including Azure AD authentication, automated PDF reporting, and a real-time AI chat for interactive performance analysis
- **SCANCO, CLOUDCONNECTIT, SPA (SCANCO PURCHASE AGENT) (Experion Technologies):** Designed a full-stack solution (.NET, Angular, AWS) that integrated with Sage ERP to track over **2,000+ products** through their entire manufacturing lifecycle

- **ARIA B2B, BAZAR (B2B2C) (Experion Technologies):** Guided the frontend development team (React) to build and launch a B2B platform, scaling it to support over **5,000+ users** and drive product sales
 - **WAREFLEX (Experion Technologies):** Built a real-time logistics platform (.NET, Angular) to monitor **1,000+ active shipments** and optimize warehouse scheduling with live dock availability data
 - [File-To-BinaryVideo-BackTo-File](#) | Golang (Personal): **Encodes** any file into a binary video format, **enabling lossless decoding** back to the original source
 - [PUB/SUB implementation using REDIS](#) | Golang (Personal): Blog with steps on how to implement a pub/sub using Redis
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AWARDS

- Ford Pro:
 - “Go that Extra Mile” Award **2023**
 - “Retail & Pro Services Technology Q4 2025 Hackathon” Finalist - **Oct 2025**
- Experion Technologies:
 - “Spot Award” **Apr 2022**
 - “Experion Award of Excellence” **Oct 2021**
 - “Experion R&R” **Oct 2020**

EDUCATION

Mar Athanasius College of Engineering
Bachelor of Science in Computer Science, Cumulative GPA: 7.88/10

Kothamangalam, Kerala, India