

Kunal Moharir

moharirkunal@gmail.com | (437) 425-5725 | Kitchener, ON | [LinkedIn](#)

PROFESSIONAL SUMMARY

Senior Software Engineer with 10+ years of specialized expertise in real-time industrial data platforms at enterprise scale. Sole architect and lead engineer of a mission-critical oilfield asset management platform — continuously developed and delivered across Rockwell Automation, Sensia, and Schlumberger as the project transferred organizations — serving Fortune 500 energy clients across 15+ countries. Deep expertise in Angular, .NET microservices, cloud-native architecture, and high-frequency data pipelines. Proven leader of cross-functional teams of up to 20 engineers across 3 continents, with a track record of 99%+ uptime on systems generating \$2M+/day.

SKILLS

Frontend: Angular 17+, TypeScript, JavaScript, RxJS, NgRx, HTML5, CSS3/SASS, Bootstrap, Standalone Components

Backend: C#, ASP.NET Microservices, .NET 6+, Python, SQL Server, MySQL, PostgreSQL, Redis, Apache Kafka

Data Visualization: Highcharts, ag-Grid, Google Maps API, Real-time Data Pipelines

Cloud / DevOps: Azure DevOps, OpenShift, Git, TFS, Bitbucket, JIRA, Swagger, CI/CD

AI Dev Tools: GitHub Copilot, Claude AI, Antigravity, AI-augmented development, Prompt Engineering

Leadership: Agile/Scrum, Team Management (up to 20), Mentoring, Cross-cultural Collaboration

Industrial Systems: OPC.NET, OPC UA, Windows Forms, Industrial Automation

WORK EXPERIENCE

Rockwell Automation | Sensia | Schlumberger (SLB)

May 2018 - Present

Senior Software Engineer

Cambridge, ON / Calgary, AB (Remote)

Same platform and engineering team throughout — project transferred across organizations as Rockwell Automation and Schlumberger formed and evolved the Sensia joint venture.

- **Connected Production Platform:** Core engineer and later lead of "Connected Production" — an Angular platform (evolved from v7 to v17+) for real-time monitoring of large-scale oilfields; delivered to Fortune 500 energy clients across 15+ countries supporting 100,000+ connected devices and 10,000+ data points/second; also set up on-premises infrastructure for client-hosted deployments
- **Data Visualization & UX:** Collaborated with UX designers and product managers to build reusable, configurable Angular components featuring real-time charts, gauges, grids, maps, and dashboards using Highcharts and ag-Grid; components designed for varying data frequencies and fully customizable by end users
- **Performance & Quality:** Reduced application load time 83% (from 2+ min to under 20 sec) through architectural redesign impacting 5,000+ daily users; achieved 80%+ unit test coverage enabling early defect detection and maintained 99%+ platform availability under SLA
- **Backend & Integration:** Architected ASP.NET microservices on OpenShift for scalable industrial data pipelines; built C# WinForms MultiServer OPC monitoring tool enabling simultaneous read/write across multiple OPC servers; developed Python Log Export utility for SSO session analysis, cutting debugging time by 60%
- **Reporting & Client Delivery:** Created 10+ SSRS reports for clients including Hindustan Unilever (RAPID project), delivering operational insights through customized data visualizations; ramped up on proprietary Vantage Point software to meet client reporting needs across 20+ manufacturing facilities
- **Angular Upgrade & Modernization:** Led full end-to-end Angular version upgrade migration from Angular 7 through to Angular 17+, incrementally modernizing architecture to adopt standalone components, improved change detection, and updated tooling; ensured zero disruption to live client operations throughout the multi-phase migration
- **Team Leadership:** Served as Team Lead, Scrum Master, and QA Engineer managing cross-functional teams of 8-20 developers across 3 continents; improved development velocity 30% through CI/CD pipeline enhancements and AI-assisted development using GitHub Copilot, Claude, and Antigravity

KAMorph

Software Tech Lead (Self-Employed)

April 2016 - April 2018

Mumbai, IN

- Consultancy Leadership:** Founded and led independent software consultancy; managed full project lifecycle from requirements and design through development, UAT, and deployment across multiple client verticals
- Technical Delivery:** Designed and built 3 production applications: a PHP/Laravel restaurant management platform with companion iOS/Android mobile app via REST APIs; an EARESPONSE web application with survey data pipeline and analytics dashboard; and a corporate website for Royal Flooring — training 20+ end users on-site for each deployment
- Client Success:** Achieved 100% client satisfaction and on-time delivery across all projects, generating 3 repeat business referrals through structured on-site installation and user training programs

Kiaora

Software Developer Lead

April 2014 - January 2016

Aurangabad, IN

- Team Leadership & Delivery:** Led teams of 5-12 engineers delivering 5 custom C#.NET desktop applications for industrial automation clients; supervised enterprise factory management system project end-to-end, delivering on time and within budget
- Industrial Automation:** Engineered a C#.NET Pick-to-Light automation solution integrated with OPC Server, enabling workers to algorithmically pick items from warehouse inventory — significantly reducing manual errors and improving throughput; built a Windows-based Factory Inventory System for chemical factory automation
- Infrastructure & Process:** Established company's first version control system using GitLab and TFS, standardizing development workflows and improving cross-team collaboration and code quality across all projects

EDUCATION

Durham University

MSc, Internet and Distributed Systems

January 2013

Durham, UK

University of Mumbai

BE, Information Technology

June 2011

Mumbai, IN

CERTIFICATIONS & ADDITIONAL

AI/ML: Generative AI with LLMs (DeepLearning.AI, 2024); Generative AI for Project Managers (PMI, 2024)
Immigration: Canadian Citizen | USA B1/B2 Visa