

JAN CYNGYNN KRISTOFFER FRIGILLANA

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Senior Software Engineer | AI Systems & Automation

PROFESSIONAL SUMMARY

Full Stack Senior Software Engineer with 9+ years building production web applications across aviation, fintech, SaaS, supply chain, and workforce management. Works in AI-assisted development daily with Claude Code, Cursor, and GitHub Copilot, keeping planning, architecture, and code review human-led while delegating implementation to AI for fast, reviewable output without sacrificing code quality. Completed formal training in structured agentic development workflows and applies them in production work. Builds primarily in ReactJS, Node.js, TypeScript, GraphQL, and REST APIs, and has shipped AI-powered features in real products using OpenAI and LangChain. Spent four years at Emirates Group via DXC Technologies where clean code, rigorous code reviews, and structured testing were the standard.

CORE TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, SQL

Frontend: ReactJS, Next.js, React Native, Redux, HTML5, CSS3, Tailwind CSS, Webpack

Backend: Node.js, GraphQL, Hasura, Express, REST APIs (OpenAPI Spec), Flask, Prisma, PostgreSQL, Oracle

API and Identity: REST API integration, OAuth2.0, SSO, API security, OpenAPI Specification

AI and Agentic Workflows: Structured agentic development workflows, TDD with AI agents, task decomposition for AI implementation; Claude Code, Cursor, GitHub Copilot (daily); OpenAI API, LangChain, Vercel AI SDK, Mastra AI, AI assistant development

Cloud and DevOps: AWS EC2, Microsoft Azure, Google Cloud, Nginx, PM2, Jenkins, Git, GitHub Actions, Docker (familiar), CI/CD pipelines, blue-green deployment

Job Queue and Async: BullMQ, Redis-backed job queues, worker concurrency, retry logic, priority queuing

Testing and Quality: Cypress, Vitest, Jest, Puppeteer, Playwright, unit and integration testing, pre-commit hooks

Observability and Analytics: Amplitude (feature tracking, dashboards), structured logging

Methodologies: Agile (Scrum, SAFe), DDD, SDLC, code reviews, technical documentation, microservices

UI Libraries and Tools: AG Grid, Bryntum, MaterialUI, Salesforce, Jupyter Notebook, JIRA, Confluence

PROFESSIONAL EXPERIENCE

Freelance Full Stack Developer | Storyline | July 2025 – Present

Stack: Next.js, TypeScript, Node.js, Vercel AI SDK, Mastra AI, OpenAI, BullMQ, AWS EC2, Nginx, PM2, Zapier, GitHub Actions | Website: withstoryline.com

Storyline is an AI-native SEO and AEO (Answer Engine Optimization) platform for B2B software companies, helping businesses rank on Google while earning citations inside AI answer engines including ChatGPT, Perplexity, and Gemini. The platform runs as an agentic marketing engine where AI handles research, content drafting, fact-checking, and CMS publishing at scale.

- Works in a deeply AI-assisted codebase using structured agentic workflows, with planning, architecture, and code review staying human-led. Currently applying the same methods to improve infrastructure and raise codebase standards.
- Architected multi-step AI agent workflows using Mastra AI and Vercel AI SDK, automating the full content production cycle from keyword brief to fact-checked draft, cutting time-to-publish from days to hours.
- Built a background processing system with BullMQ (Redis-backed) to manage async content pipeline tasks including article generation, CMS publishing, and AI visibility monitoring, with retry logic, priority queuing, and worker concurrency.
- Set up blue-green deployment, pre-commit checks, and GitHub Actions CI/CD pipelines from scratch, covering the full release workflow end to end.
- Provisioned and managed two AWS EC2 instances, one for the Mastra AI agent service and one for the Next.js app, configured Nginx as a reverse proxy on both, and set up PM2 for production process management.
- Integrated Zapier automation hooks, Granola meeting intelligence, and CMS publishing APIs across WordPress, Webflow, Sanity, and Contentful.
- Contributed to pipeline attribution features tracking which AI engines surface client content and tying those citations back to lead conversions.

Full Stack Developer | Cloud Employee, Data Lighthouse (akeno.ai) | September 2021 – September 2025

Stack: ReactJS, Next.js, TypeScript, Tailwind CSS, GraphQL, Hasura, Node.js, Python, OpenAI API, LangChain, Microsoft Azure, Cypress, AG Grid, Bryntum, Amplitude | Project: akeno.ai (formerly Data Lighthouse), Supply Chain Traceability Platform

- Built full-stack features across the akeno.ai supply chain traceability platform using React, Next.js, TypeScript, and Node.js.
- Set up Hasura GraphQL subscriptions and RESTful endpoints for real-time data, keeping API contracts documented and consistent across the codebase.
- Built the AI assistant feature using OpenAI via Azure and LangChain, including conversational flows that respond to supply chain queries with context from the platform's data.
- Refactored key parts of the codebase over time to clear out technical debt and keep the architecture manageable as the product grew.
- Integrated Amplitude to track feature usage, which fed directly into product decisions around what to build and what to drop.
- Extended AG Grid and Bryntum well beyond their defaults to handle complex scheduling views and bulk data management specific to supply chain workflows.
- Worked directly with the CEO on feature scoping, translating requirements into technical plans and pushing back when something needed more clarity before building started.
- Ran proof-of-concepts when the team was evaluating new tools or libraries, documenting findings and trade-offs for the rest of the team.

Application Development Team Lead | Accenture | February 2021 – September 2021

Project: AICPA Spanish Hub (aicpa.org) | Stack: React Native, Redux, Node.js, GraphQL, AWS, Salesforce | Testing: Cypress, Puppeteer

- Led a team of 5+ developers on the AICPA Spanish Hub, running sprint planning, managing deliverables, and keeping quality consistent across the codebase.
- Handled sprint estimates and kept the client updated on progress, working within a SAFe Agile setup with defined delivery cadences.
- Did regular code and performance reviews, coaching junior developers on writing cleaner, more testable code.
- Connected Salesforce and AWS services into the platform through API integrations.

React Native Developer | Outliant | June 2020 – February 2021

Project: The Sandlot (sandlot.fit) | Stack: React Native, Redux, Node.js, GraphQL, AWS

- Built mobile UI components in React Native from Figma designs, keeping them consistent across iOS and Android.
- Integrated AWS services per spec and worked with the lead engineer on backlog grooming and sprint delivery.

R&D Engineer / Senior Software Engineer | 4Loop | September 2019 – June 2020

Project: E-Commerce Platform | Stack: React, Redux, Flask, MongoDB, PostgreSQL | Testing: Cypress

- Built full-stack features for an e-commerce platform, covering the React frontend and Flask/PostgreSQL backend.
- Refactored existing code for better reuse and documented each R&D phase to give the team a clear record of technical decisions.

Full Stack Developer | Four13 | January 2019 – January 2020

Project: COI Tracker SaaS (coitracker.com) | Stack: React, Redux, Next.js, Node.js, GraphQL, AWS, MaterialUI | Testing: Jest

- Built reusable React component libraries for a SaaS insurance processing platform, with Jest unit tests covering the core logic.
- Diagnosed and fixed production bugs quickly, keeping defect rates low and reducing repeat issues through better test coverage.

Professional Program Analyst (Software Engineer) | DXC Technologies, Emirates Group | November 2014 – September 2018

Project: Emirates Group Revenue Accounting | Stack: React, React Native, Redux, Node.js, SQL, REST, SOAP, Big Data, Jenkins | Testing: Cypress

- Worked on the Emirates Group revenue accounting system, handling interline sales, tax computation, proration, and passenger and cargo processing.
- Integrated new components into the existing system via REST and SOAP APIs, working closely with business teams to nail down requirements before writing code.
- Managed builds and deployments through Jenkins as part of the team's CI/CD setup.
- Set up structured logging and handled production support, debugging issues and resolving them without much escalation.
- Received multiple Najm Awards for delivery quality; placed 2nd in the Emirates BIG DATA Hackathon (Hadoop, 2017).

EDUCATION

BS in Computer Science, University of the Cordilleras | 2007 – 2010

Major in Embedded Applications

ACCOMPLISHMENTS

- Multiple Najm Award recipient at Emirates Group for project delivery and engineering quality.
- 2nd Place at the Emirates BIG DATA Hackathon (Hadoop, 2017).
- Rated Outstanding Employee for performance across multiple project engagements.
- Completed AI Coding for Real Engineers training (Matt Pocock / AI Hero, 2026), focused on structured agentic development workflows applied daily in production work.

CERTIFICATIONS AND TRAINING

- AI Coding for Real Engineers, Matt Pocock / AI Hero (2026): Plan/Execute/Clear loop, AGENTS.md configuration, multi-phase PRD authoring, AFK agent loops, context window management, TDD with AI agents, vertical slice task decomposition, and reusable custom agent skills. Works across Claude Code, Cursor, Copilot, and Windsurf.
- Big Data Hadoop Training, Emirates (2017)
- Full Stack Developer Training, Emirates
- Spring and Java Fundamentals, Emirates (2015)
- AngularJS Fundamentals, Emirates (2016)
- Software Developer NC IV, Java, Phoenix-One (2014)
- Udemy: Web Development Bootcamp, Python and Django Bootcamp, Python Bootcamp, Angular, Big Data