

Hein Arkar

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PROFESSIONAL SUMMARY

Full-Stack Developer with 2+ years of production experience building on-prem AI platforms using MERN, Next.js, Tailwind, and MUI. Core developer of an AI agent builder platform with RAG, agentic workflows, embedded widgets, real-time communication, and enterprise-grade security. Experienced in delivering end-to-end features across frontend, backend, AI services, and production deployments.

CORE TECHNICAL SKILLS

Frontend: React.js, Next.js (App Router), Tailwind CSS, MUI, SSR, Custom Hooks

Backend: Node.js, Express.js, MongoDB, REST APIs, Webhooks, WebSockets

DevOps & Tooling: Docker, CI/CD, Production Deployment, Git, Postman

Languages: JavaScript, TypeScript, Python

WORK EXPERIENCE

Full-Stack Developer — Brillar

- Delivered the first production version of **Atenxion**, an enterprise GenAI agent platform, within 8 months, now used by 3 customers across **SEA**
- Implemented SSO, RBAC, and 2FA, enabling secure post-login, identity-aware AI interactions in regulated customer environments
- Built **Agentic** and **Advanced RAG** workflows that allow authenticated users to query data and execute actions via natural-language chat
- Developed embedded AI widgets integrated into customer portals and dashboards, supporting internal transactional use cases
- Integrated Google Drive, OneDrive, S3, and SharePoint, enabling customers to ingest internal documents into AI workflows
- Owned on-prem deployments, production hotfixes, and environment configuration across customer installations

KEY PROJECTS

Atenxion — AI Agent Platform for Enterprises

Full-Stack Developer | Jan 2024 – Present

Production **Enterprise AI agent platform** allowing organizations to create domain-specific agents and embed them into internal or customer-facing systems.

- Built the **agent management dashboard** for configuring agents, tools, permissions, and data sources
- Designed a **central orchestration layer** for authentication, data ingestion, agent execution, and tool invocation
- Implemented **SSO, RBAC, and 2FA** with post-login identity awareness for embedded widgets
- Built **RAG pipelines** and **agentic workflows** supporting API tools and web search
- Integrated **Google Drive, OneDrive, Amazon S3, and SharePoint** for document ingestion
- Developed **image and video-to-text pipelines** for AI knowledge processing
- Built frontend using **Next.js (SSR, custom hooks)** and a **script-tag widget builder**
- Implemented **Node.js core services** and **Python microservices** for AI processing
- Added **WebSocket-based real-time communication** and supported CI/CD pipelines

Supported domains: Banking, Patient Portals (EMR), Education, Insurance, Logistics

Atenxion Bank (Internal Platform)

- Built a CRUD-based banking transaction system
- Designed secure backend APIs and admin dashboards
- Used internally by company teams

Company Websites

- **Atenxion.ai** — Built marketing and product UI (Next.js, Tailwind)
- **Brillar.io** — Designed and implemented company website UI

EDUCATION

University of Information Technology (UIT)

Coursework in Computer Science | 2017 – 2020 (Not Completed)

Chandrakasem Rajabhat University (CRU)

Bachelor's Program (Planned, Part-time) | 2025 – 2028