

senior / staff ai engineer · agent systems, orchestration, infrastructure.

// CONTACT

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// dubai · uae

// LANGUAGES

// arabic · native
// english · proficient

// SKILLS

// AI engineering · agent systems, LLM orchestration, MCP, persistent context
// infrastructure · TypeScript, Python, Node.js, SQLite + FTS5, distributed workflows
// production · evaluation, observability, automation pipelines, CI/CD
// product engineering · Flutter, offline-first systems, hardware integration

// EDUCATION

// sudan university of science and technology · BSc software engineering, 2018

// CURRENTLY

// IGRIS v7.2.0 · engineering OS for AI coding agents. cross-harness work-state handoff, enforcement-as-code, one persistent brain, typed knowledge graph, and an operator dashboard. github.com/fiftynotai/igris-ai. ongoing.
// KALVAD · senior AI/mobile engineer and technical owner for production agent systems serving confidential government clients: LLM orchestration, agent workflows, and agentic AI in regulated environments. 11/2021 → now.
// fifty.dev · the workbench. personal practice across software, workflows, agents, mobile, embedded. 2025 → now.

// SHIPPED

// 2026 · IGRIS v7.2.0 · open-source engineering OS with a 112-tool brain MCP surface and proven work-state handoff across four agent harnesses.
// 2026 · FIFTY AGENT SDK v1.5.0 · reusable Python ReAct loop with JSON tool calls, MCP, typed events, and pluggable LLM/state/tool backends; used in two work projects.
// 2025 → now · KALVAD agent systems · LLM orchestration + agent workflows for confidential UAE government projects.
// 2024 · FIFTY FLUTTER KIT · 17-package open-source Flutter toolkit ([pub.dev](https://pub.dev/publisher/fifty.dev) publisher fifty.dev).
// 2022 → 2024 · SPARK RIDERS 3000 + ERUNE · voice-companion board games (STT/TTS, AI-driven gameplay, Arkada Studio).
// 2017 → now · corporate & commercial mobile platforms · multi-tenant systems, hardware integration (ESC/POS, geofencing, offline-first).

// REFERENCES

// fifty.dev · the practice
// github.com/fiftynotai/igris-ai · the engineering OS
// github.com/fiftynotai/fifty-agent-sdk · the reusable agent loop
// linkedin.com/in/m-elamin50 · the trail