

@CasualDeveloper

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Software engineer with 6+ years at Nokia, combining Java backend expertise with AI-native development. Builds agent harnesses and LLM integrations, using coding agents to accelerate learning, delivery and incident response while validating changes through tests and runtime evidence.

EXPERIENCE

Software Engineer

Jan 2020 – Present

Nokia · Kuala Lumpur, Malaysia

Own the integration layer connecting telecom operators' northbound CRM, ordering and sales systems to southbound systems: Nokia FlowOne (orchestration, provisioning and activation) and network elements. Deliver Java/WSO2 services and production releases for **10+ operators across APAC/EMEA**.

- Resolved a preproduction API regression **within 13 hours of escalation** using OpenCode for AI-assisted diagnosis; restored HTTP status handling and coordinated a successful UAT retest.
- Preserved existing **OAuth tokens during refresh** through overlapping validity periods and database changes; verified token validity and expiry through endpoint smoke tests.
- Separated notification polling from outbound calls using **bounded asynchronous Java worker queues**, with controls for retries, duplicate in-flight work and runtime handover.
- Built and published a **release candidate containing four packages** using Maven, Jenkins and Artifactory, with configurable Basic/OAuth authentication; verified both modes and order callbacks in a lab.
- Led migrations from WSO2 ESB to **WSO2 Micro Integrator**, refactoring configurations and XSLT transformations and preparing release bundles, rollback plans and cutover runbooks.
- Mentored junior engineers and interns; established code review practices and wrote onboarding guides for TMF-API and WSO2 projects.

Software Engineer Intern

Jun 2019 – Dec 2019

Nokia · Kuala Lumpur, Malaysia

- Prototyped WSO2/Java integrations; contributed build tests, deployment scripts and handover guides.

TECHNICAL SKILLS

AI tooling	LLM integration, agent orchestration, prompt/context engineering, evaluations
Languages	Java, SQL, TypeScript, Swift, Python, Bash
Backend	REST/SOAP, OAuth 2.0, JDBC, PostgreSQL, Oracle
Integration	WSO2 Micro Integrator, WSO2 ESB, FlowOne, TMF APIs, XML/XSLT, JSON
Delivery	Git, Maven, Jenkins, GitLab CI, GitHub Actions, Artifactory, Docker, OpenShift
Systems	Linux/RHEL, macOS, GPG/PAM integration

SELECTED PROJECTS & OPEN-SOURCE WORK

AI development harness

Private personal project · OpenCode, Codex

- Built a **multi-agent development harness** with GPT model routing, specialist workflows, scoped tool permissions, reusable skills and context handoffs.
- Implemented automated checks and **behavioral evaluations** for routing, tool use and context continuity; applied the workflow to unfamiliar codebases and service troubleshooting.

CLI authentication tools (AuthCompanion)

OpenAI Build Week 2026 official participant · Swift, macOS

- Created and released **AuthCompanion** as part of a suite of three Swift tools enabling Touch ID and Apple Watch approval for GPG signing and sudo.
- Built reversible setup and restore flows that preserve later configuration edits; maintained the GPG/PAM component forks with versioned JSON interfaces and automated release checks for Apple Silicon and Intel Macs.

[Source & documentation](#) · [Published release](#) · [OpenAI Build Week submission](#)

LLM provider integrations (OpenCode)

Multiple merged upstream contributions · TypeScript

- Contributed merged TypeScript improvements to **LLM provider adapters**: bounded workers, retryable HTTP 503 responses and isolated callback failures, with regression tests and release checks.
- Completed an OAuth plugin migration and implemented account-aware model routing in a separate adapter; added concurrency, lifecycle and package installation tests.

[Worker reliability PR](#) · [OAuth lifecycle PR](#) · [Model discovery PR](#)

EDUCATION

Bachelor of Science in Information Technology

Sep 2015 – May 2019

International Islamic University Malaysia (IIUM)

COMMUNITY & CHARITY WORK

Co-organized independent charity projects funding multiple water wells in Tanzania and Malawi, and delivering food aid in Nepal, Sri Lanka, Cambodia and Thailand.

Languages English · Malay