Kenneth Raitt

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PROFESSIONAL PROFILE

Senior software engineer and solutions architect with deep experience delivering enterprise platforms across insurance, government and other regulated environments. Expertise spans microservices and distributed-systems architecture, generative AI, cloud-native delivery on AWS and Azure, enterprise integration and event streaming. Experienced in leading agile teams from design through to production support, across both on-premises and cloud environments.

SKILLS AND EXPERTISE

- ✓ Languages: Java 21+, Go, Python
- ✓ Frameworks: Spring 6, Spring Boot/Cloud, Hibernate
- ✓ Generative AI: Spring AI, AWS Agent Core, Databricks, RAG, agentic solutions
- ✓ Architecture: microservices, Docker, Kubernetes (CKAD)
- ✓ Testing: TDD/BDD, JUnit, Cucumber/Gherkin
- ✓ Enterprise Integration: Apache Camel, MuleSoft
- ✓ Delivery: Scrum, Kanban, Jira, Confluence
- ✓ Cloud: AWS (Lambda, EventBridge, SQS, DynamoDB, EKS), Azure
- ✓ APIs and services: REST, GraphQL, SOAP, XML
- ✓ Event streaming and messaging: Kafka, RabbitMQ
- ✓ Design: OOA/D, GoF design patterns, EIP patterns
- ✓ Front end: HTML/CSS, JavaScript, TypeScript, Angular, React, Next.js
- ✓ DevOps: Jenkins, GitHub Actions, Maven, Gradle, Git

PROFESSIONAL EXPERIENCE AND ACHIEVEMENTS

Esure Group/Ageas – Technical Lead — Dec 2025 – Present

Technical Lead in Billing Domain for a newly formed squad focusing on operational improvements and stability in preparation for scaling new EIS based Insurance platform in preparation of Esure Group/Ageas integration. Architecture based on Java 21+ AWS serverless, Kubernetes APIs and Kafka based integrations around a core off-the-shelf insurance platform (EIS).

- Introduced a Golang based support CLI tool to eliminate manual efforts in relation to daily checks and incident triage.
- Led incident triage heavily leveraging AI (copilot) to surface knowledge from a large Spring codebase (EIS)
- Headed incident triage meetings with business operations to align priorities and communicate progress
- Led the onboarding of the Moderne.ai platform and served as the key engagement partner for Moderne engineering team to integrate the platform into the Ageas AWS estate. Led company-wide awareness sessions as part of rollout.
- Delivered a Billing GenAI incident triage solution leveraging agentic and data capabilities within Databricks platform enabling PO/BA/SMEs to be more self-sufficient in relation to operational incident triage.
- Built an exemplar GenAI implementation leveraging Spring AI and AWS Agent Core

AVIVA ZERO – SENIOR SOFTWARE ENGINEER/LEAD — Nov 2022 – Mar 2024

Aviva Zero – Aviva's start-up carbon-conscious motor insurance product

- Development lead within the Pricing & Underwriting platform team, spanning Earnix pricing engine integrations and core platform services.
- Led knowledge transfer from outbound delivery consultants, ensuring smooth handover and continuity for ongoing support and feature delivery.
- Contributed to platform architecture and delivery of microservices on AWS serverless (Lambda, EventBridge, SQS, DynamoDB), implementing services in Go and front ends in React/Next.js.
- Supported critical risk events by diagnosing and addressing production renewal-quoting scalability issues in a core component, reducing the risk of revenue loss and reputational impact.
- Coached and onboarded engineers, improving team delivery as the organization scaled.

ESURE GROUP – SENIOR SOFTWARE ENGINEER — Mar 2022 – Nov 2022

Blueprint Transformational program - Billing Squad – senior design and development activities in relation to:

- Delivered AWS Lambda services for Bacs payment integrations, covering collections, rejection handling and event-streaming integration into the EIS Billing Core platform.
- Delivered a Docker/Minikube based solution that enabled bringing up the entire EIS insurance platform solution and all its associated services locally for developer productivity.
- Designed and implemented a central controller component of the entire BACS integration flow.
- Built a Kubernetes (EKS)-deployed service to enrich inbound Kafka events using the EIS GraphQL API and publish enriched events for downstream consumers.

Previous Experience Highlights

LV=GI (ALLIANZ) SENIOR ANALYST DEVELOPER (CONTRACT) **Feb 2021 – Mar 2022**

Modernization and cloud migration of policy proposition solutions

- Redesigned and re-platformed customer-facing policy proposition applications using React and Spring Boot, integrating with Guidewire PolicyCenter via a MuleSoft API-led connectivity layer.
- Delivered features and reviews across Spring Boot and Mule APIs, including unit testing and targeted framework changes; deployed applications to Azure App Service.
- Designed a Spring Batch pipeline to load acquired L&G Fairmead policy data into a core policy-information store, accelerating claims handling through the remaining policy lifecycle.

HMRC SAFETY & SECURITY (S&S) 2020 – SENIOR JAVA DEVELOPER (CONTRACT) **Sep 2020 – Feb 2021**

Designed and implemented a monitoring and alerting solution for the S&S2020 system (risk assessing goods entering the UK). Delivered application-specific metric capture for a high-availability, high-volume AWS-hosted Java 11/Spring Boot integration service, feeding insights into the central OpsView platform. Built custom Python scripts on AWS EC2 and coordinated across service management, the application team and the monitoring guild.

CAPGEMINI/HMRC CUSTOMS DECLARATION SYSTEM– INTEGRATION DEVELOPER (CONTRACT) **Aug 2018 – Jan 2020**

Integration development role in an agile scrum team producing a platform of Java 8 / Spring Boot based (micro) services (BOLT) which act as a mediation layer between a high-available off-the-shelf Customs Declarations workflow system and the HMRC wide SAP based tax-platform. BOLT integration services consume and expose SOAP/WSDL/RESTful based services as well as AMQP/JMS-based message integrations. Responsibilities included:

- Design/development and code review responsibilities with regards to services which manage trader data, immediate and deferred payments, and licensing information as well UI development regarding view trader and license data.
- Unit test development (JUnit/Mockito).
- Upgrading Oracle DB release scripts to incorporate the use of Liquibase.

UNIVERSITY COLLEGE LONDON – FULL-STACK JAVA DEVELOPER (CONTRACT) **Sep 2016 – Aug 2018**

Redesign (modernize) and continued feature development of a role-based license management and stock control application used by researchers and support staff in UCL research departments for home-office compliance purposes. Technology stack of the system was based on Angular/Spring (boot), Oracle DB.

EUROPEAN COMMISSION- DG REGIO – ORACLE JAVA EE, SOA/BPM CONSULTANT **Mar 2014 – Jul 2016**

Design and development role regarding Workflow system for the 2014 – 2020 programming period. Workflow system is based on Oracle Java/Spring SOA/BPM/OSB technologies. Key areas of responsibilities include:

- Architectural responsibilities related to SOA/BPM product capabilities and legacy bespoke implementations.
- Designed and implemented web service and messaging integrations (SOA Suite/OSB/Spring framework) with external systems used for managing structural funds for the purpose of financial related BPM processes.
- Led service / messaging integrations with external systems used to interact with member states
- Streamlined and automated previous manual build and release procedure, resulting in an end-to-end build script producing all SOA/BPM deliverables integrated with Jenkins CI, increasing the consistency to deliver on-time and quality releases.
- Mentored/trained colleagues new to Oracle SOA Suite and the architecture of the system in general.

TOTALENERGIES – JAVA DEVELOPER (CONTRACT) **Oct 2009 – Feb 2014**

Electricity Power transformational programme set out to replace and modernize the systems and manual procedures TotalEnergies uses to tender, price, quote, and bill new and existing SME and Key customers for the supply of electricity. The programme's main objectives were to increase the scale and efficiency of these systems to allow for a successful increase of market share and allow for managing a larger portfolio of customers effectively. Underpinning technologies were based on Java/JSF/Spring Framework, Oracle SOA Suite and PL/SQL. Role and responsibilities included:

- Design and implementation role regarding application for loading and managing of new customers and electricity meter related information, loading and managing of industry charges, creating, managing and accepting offers for the supply of electricity
- Provided expert Java/Spring knowledge with regards to implementation, mentoring, peer reviewing etc.
- Release management responsibilities regarding middleware and database including setup of automated build.
- Provided production incident support for above mentioned solutions.

Previous Experience Highlights (continued)

CGI (LOGICA) – SENIOR SOFTWARE ENGINEER/CONSULTANT **Jul 1998 – Sep 2009**

Employed by Logica's Trade Transport & Industry business unit in the Netherlands. Gained a solid background in software engineering projects both in-house as well as client side for a variety of blue-chip companies in various business sectors. Project methodologies ranged from traditional waterfall to Agile Object Oriented.

- Developed and executed a wide range of software engineering projects for multiple blue-chip companies, including providing mentorship, training and support for colleagues and staff on new technologies
- Design and development of a middle-tier controller component based on Java EE, WebLogic for KPN's unified messaging solution
- Key role in the development of an XML-based messaging solution (Java EE/WebLogic) for Pro-Rail to transform logistical data into travel information
- Key design and development role for a range of J(2)EE business applications for TNT Post, including providing technical support
- Provided technical expertise and support in C/Unix for Lucent Technologies' 5ESS telephony switching product

Professional Certifications

- AWS Certified Generative AI Developer – Professional (2026)
- AI Engineer Track: The Complete Agent & MCP course (Udemy, 2026)
- AI Engineer Core Track: LLM Engineering, RAG, QLoRA, Agents (Udemy, 2026)
- AI Coder: Vibe Coder to Agentic Engineer in 3 Weeks (Udemy, 2026)
- CKAD - Certified Kubernetes Application Developer (2024)
- Chartered Insurance Institute – Certificate in Insurance (2023)
- AWS Certified Security – Specialty (2023)
- Ultimate Go – ArdanLabs (2022)
- Programming with Google Go Specialization – Coursera (2022)
- AZ-303 Microsoft Azure Architect Technologies (2021)
- AWS Certified Solutions Architect Associate (2019)
- Core Spring 3.0 Certified (2012)

Education and Qualifications

BACHELOR (HONOURS) DEGREE IN APPLIED PHYSICS - Rotterdam University of Applied Sciences (1997)