Carl Christiansen

Tech lead / Senior full stack developer

Vidargatan 7
113 27 Stockholm
(+46) 70 774 80 85
calle@macando.se

PROFILE

Carl has a long experience in development and consulting, working as a developer and tech lead for 20 years and as a consultant since 2010. He quickly adapts to new environments and technologies.

For the past 10 years he has worked in both formal and informal leading and coaching roles, but still actively contributing to the code. Multiple positions have been fullstack, but mostly backend focused.

The main drivers for Carl are problem solving, understanding customer needs and learning new things.

EXPERIENCE

SAP Signavio, Brno, Czech Republic – *Full Stack Tech Lead*

SEPTEMBER 2023 – DECEMBER 2024

SAP Signavio helps customers understand, improve and transform their business processes using their SaaS for process mining, process analysis and process modeling tools.

Carl's first position within SAP Signavio was as a tech lead for a newly created team with the mission to integrate the process data management tool with a new internal service. His responsibilities were to work closely with the product owner, the initiative lead group and other involved teams to find a path to a successful implementation. He was also responsible for onboarding new developers to the team and leading the development.

After successfully getting the team running he onboarded a newly employed tech lead to take over his role. However the appreciation of his work led to an extension of the contract as tech lead for another team.

The main responsibilities in the new team were to make sure the team could work more effectively, fulfill security and compliance requirements and mentor a senior developer in the team to become the new permanent tech lead.

Tech stack: AWS, Kubernetes, Docker, Java, Kotlin, React, Spring Boot, Ktor, GraphQL, REST, PostgreSQL, GitHub Actions, Argo, Prometheus, Grafana, Sentry, Blackduck, CodeQL, Sonar, OpenAPI, Gradle

PROGRAMMING LANGUAGES & TECHNOLOGIES

Java, Java EE, Kotlin, Javascript, React, SQL, PHP, Spring, Spring Boot, Servlets, EJB, FreeMarker

DATABASES

MySQL, PostgreSQL, Oracle, SQL Server, Sybase, Informix, Hibernate, JPA, Liquibase, Flyway, Jooq

WEB & APIS

Vaadin, Wicket, GWT, JSP, FreeMarker, Spring MVC, Grails, Dropwizard, Ktor, REST, GraphQL, SOAP, Web Services, OpenAPI, JSON Schema, Swagger, JAX-RS, Jersey, CXF

TOOLS AND INFRASTRUCTURE

Git, SVN, GitHub Actions, Maven, Gradle, Ant, CircleCI, Jenkins, Bamboo, Ansible, Prometheus, Splunk, Grafana, Sonar, Kubernetes, EKS, Kafka, ActiveMQ, JMS, Camel, Axon Framework

Trafikförvaltningen, Stockholm – *Senior Backend Developer*

AUGUST 2021 - SEPTEMBER 2023

Trafikförvaltningen is responsible for the public transportation in Stockholm.

Carl's team has primarily been responsible for the systems that handle the flow of purchasing and using tickets through the mobile app. This includes order management, integration with external payment services, ticket issuing and financial reporting. The team has also had the main responsibility for the infrastructure in AWS.

The major projects have involved migrating and developing a new order system, improving services for external payment solutions, and implementing a new API for the SL (Stockholm Public Transport) app.

Tech stack: AWS, EKS, Docker, Java, Spring Boot, REST, PostgreSQL, Axon Framework, Prometheus, Grafana, OpenAPI, Gradle

Trustly, Stockholm – *Lead Fullstack Developer*

MARCH 2019 - AUGUST 2021

Trustly is the leading provider of instant online bank payments between end-users and merchants.

When Carl joined Trustly, a new team was formed where he took on the responsibility of coaching junior developers and getting the team up to speed. The team is responsible for maintaining existing bank integrations and integrating new banks into the Trustly infrastructure. They also developed new services to support Trustly's transition to a more modern platform.

The new services included an internal monitoring tool for bank transaction transfers, including data collection, and a micro frontend for internal use. Additionally, a service was created to support refunds to end-users and act as a bridge service to the old platform.

Tech stack: Google Cloud, AWS, Kubernetes, Docker, Java, Javascript, Spring Boot, React, REST, GraphQL, PostgreSQL, Kafka, Prometheus, Grafana, GitHub Actions, Argo, OpenAPI, Gradle

Klarna, Stockholm – *Senior Developer / Interim Tech Lead*

FEBRUARY 2018 - FEBRUARY 2019

Klarna Bank AB, commonly known as Klarna, is a Swedish bank that provides financial online services such as payment solutions for online stores, direct payments, post-purchase payments, and more.

Carl worked in a small team responsible for a gateway service routing requests for risk assessments. The service had high requirements for availability and response times since risk decisions are a crucial part of Klarna's business model. Like all teams at Klarna, the team had full ownership of their service and infrastructure. They were also responsible for the API used for risk assessments and supported product and analytics teams with the necessary integrations to support new products.

CLOUD & SERVER ENVIRONMENTS

AWS, Google Cloud, Tomcat, Jetty, JBoss, Apache, Nginx

TESTING & QA

JUnit, TestNG, SoapUI, EasyMock, Mockito, Kotest, MockK, PowerMock, Sonar, Blackduck, Sentry, CodeQL

METHODOLOGIES

Scrum, Kanban, TDD, Continuous Integration, Continuous Delivery

CERTIFICATIONS

AWS Certified Solution Architect – Associate

LANGUAGES

Swedish, English

As one of the more senior developers in the team, Carl helped the team meet stakeholder expectations and was also appointed interim tech lead.

Tech stack: AWS, Docker, Java, Spring Boot, Groovy, REST, PostgreSQL, Kafka, Prometheus, Grafana, Splunk, OpenAPI, Swagger, JSON Schema, Gradle

Parental leave
JULY 2017 - JANUARY 2018

Max Matthiessen, Stockholm — *Lead fullstack developer*
SEPTEMBER 2015 - JUNE 2017

Max Matthiessen is the leading insurance broker in the Nordics. They provide advice, procurement of pension and insurance solutions for businesses, and administration of insurance and pension solutions.

Carl has worked on the analysis, design, and development of the insurance core, putting considerable effort into modernizing it for easier management. The insurance core is the most complex part of the system, and all claims systems, insurance companies, and customers interact with it. Despite these dependencies, Carl, leveraging his deep technical expertise and vast experience with large and complex systems, has successfully modernized the insurance core.

Carl has also participated in designing and developing several new services for insurance management with insurance companies. Some components are designed and developed using classical JEE architecture to fit into the existing architecture, while other parts are based on a more modern architecture with JavaScript frameworks that communicate with underlying REST services based on frameworks like Dropwizard and Spring Boot.

Tech stack: Java, JPA, Hibernate, EJB3, REST, JAX–RS, AngularJS, Dropwizard, Spring Boot, Jenkins, JBoss, ActiveMQ, JSF, Selenium, Sybase, Groovy, IntelliJ

Sveriges Television, Stockholm — *Senior fullstack developer*
AUGUST 2013 - AUGUST 2015

Sveriges Television (SVT) is the Swedish public service television company.

At SVT, Carl worked in Team Core, responsible for managing video and metadata for all SVT services (such as svt.se, SVT Play, etc.). When Carl joined the team, the existing system was built using Apache Camel and Spring. A significant amount of development time was spent fixing existing issues. Much functionality had been forced into the system, and there was a lack of relevant documentation and testing.

As a result, the team took the initiative to, and was trusted with, creating a new system based on smaller modules and more modern technologies. As the most senior developer on the team, Carl took on much of the responsibility for design decisions and architecture.

The system's task is to retrieve information about upcoming publications

from internal APIs, fetch video files, apply specific metadata from these APIs, and handle transcoding into the appropriate format. It also ensures that the videos are published to the CDN and that related articles are published in a CMS.

Tech stack: Java, Spring, Spring Boot, REST, Apache Camel, JPA2, Docker, Jenkins

ComHem, Stockholm – *Senior fullstack developer*
JANUARY 2013 - JULY 2013

Com Hem was one of the largest operators in Sweden, offering pay-TV and broadband internet access as the leading player in an attractive market.

Carl worked as a senior Java developer in a cross-functional Scrum team of 10 members, dedicated to developing Com Hem's new website for resellers. His responsibilities include backend integration, web development tasks and CI/CD.

Tech stack: Java, Groovy, Spring Framework, Grails, jQuery, Apache CXF, SOAP, JSP, Tomcat, MySQL, Mockito, JUnit, Maven, TDD, Scrum, Jenkins, Ansible, Selenium

Sveriges Television, Stockholm – *Senior fullstack developer*
JANUARY 2012 - DECEMBER 2012

Sveriges Television (SVT) is the Swedish public service television company.

Carl worked on application development and the integration between various systems. The work was done in close collaboration with the testing team and stakeholders. Carl quickly familiarized himself with numerous systems and applications and successfully delivered a variety of solutions for the client.

Tech stack: Java, Spring Framework, REST, Apache Camel, ActiveMQ, JMS, Apache CXF, JAX-WS, JAX-RS, Apache Wicket, Vaadin, Oracle Database, MySQL, Informix, Mockito, JUnit, Maven, TDD, Kanban

Eniro, Stockholm – *Senior fullstack developer*
SEPTEMBER 2010 - DECEMBER 2012

Carl worked in a Java team that rapidly developed a tool for Eniro's customer service. The tool provided Eniro's customers with search keywords that maximized their impact within their specific area and industry. Multiple data sources were used as input, primarily integrated through REST. The application was built using Spring MVC.

Tech stack: Java, Tomcat, Spring, REST, FreeMarker, jQuery, Hibernate, MySQL, TestNG, Mockito, Maven, SOA, WebServices, JAX-RS, Jersey, Jackson, Freemarker, SOAP, Oracle, MySQL, Hibernate, JUnit, Mockito, Maven

Soliditet, Stockholm — *Fullstack developer*

SEPTEMBER 2005 - SEPTEMBER 2010

Carl, along with two other Java developers, developed Soliditet's new free service for company information under tight time constraints. Soliditet needed to compete with existing free services in the market while increasing the exposure of its AAA brand. The project faced high demands for rapid adaptation to changing requirements, and it successfully delivered according to the timeline.

Carl was part of a team of three Java developers responsible for developing a new version of Soliditet's application, Nordic Business Key (NBK). NBK provided users with the ability to search a database containing information about companies from the Nordic region using hundreds of search criteria. Users could create customized result lists and export data in various formats. The product was required to be available in five languages, and the project had stakeholders from all of Soliditet's Nordic sister companies.

Carl worked on a product portal called Solsidan, where users can access various services, including credit reports and decision support.

Tech stack: Java EE, Tomcat, Grails, jQuery, SOA, JAXB, Spring, Apache Camel, MySQL, Boolware, XSLT, Maven, JUnit, Google Web Toolkit, Hibernate, XMLBeans, JBoss, Struts, JSP, JavaScript, MySQL, XMLBeans

EDUCATION

Uppsala Universitet, Uppsala — *Information Technology Engineering*

AUGUST 2000 - AUGUST 2005