Carlos Saltos

Software Engineer

I'm a software engineer with more than 12 years of experience in software development specialized in web development and backend services.

I work with Scala, Java, Python, JavaScript, TypeScript, Elm and Ruby using Linux servers in the cloud with Amazon AWS, Microsoft Azure and Google Cloud Platform.

I'm experienced in site reliability engineering, team management, architecture, frontend, backend, databases administration, automation and security.

Scala Expertise: Profound knowledge in Functional Programming, Finagle, Finatra, Akka, Spark, Kafka and Lift developing backend solutions.

AWS Cloud Expertise: Proficient in AWS application deployment and scaling with EC2, automation with Terraform, caching with CloudFront, storage and retrieval with S3, costs management and budget planning.

Big Data Skills: Familiar with Kafka for real-time data, Hadoop for large-scale analytics, and Sparkfor big data processing.

Web Services: Proficient in designing and developing applications using REST and SOAP, enhanced with Spring for high- performance web services.

Version Control Mastery: Proficient in Git for version control

Database Management: Mastery in RDBMS databases like Oracle, PostgreSQL, MySQL and NoSQL solutions like MongoDB, Redis and Cassandra.

Agile Methodology & Leadership: In-depth understanding of Agile with experience as a Scrum and Kanban using tools like Jira and Asana.

Proficient in testing methodologies, including ScalaTest, Specs2 and ScalaCheck for unit testing and Watir and Selenium for integrationtesting.

WORK EXPERIENCE

OCT 2021 – Present
Talenteca, Mexico
Senior Backend Developer and Tech Lead

Description: Led the development team at Talenteca, a high-traffic job board platform, to enhance user experience, optimize performance, and maintain security within a robust AWS cloud infrastructure..

Responsibilities:
Developed critical features that streamlined user interaction and expanded platform capabilities.

Successfully coordinated a diverse team of developers, ensuring all efforts aligned seamlessly with project milestones and broader business objectives.

Increased development efficiency through automation of repetitive tasks, significantly reducing deployment times.

Implemented robust security measures to safeguard system integrity and ensure adherence to industry compliance standards.

Code Quality Advocate: Elevated code quality through rigorous testing methodologies and

collaborative code review practices.

Technology Innovation: Evaluated and successfully integrated cutting-edge technologies like Lift and Finagle, optimizing performance and scalability for the platform.

Stakeholder Collaboration: Partnered closely with stakeholders and new clients to tailor solutions and foster business growth through strategic technology implementation.

Technologies: Scala, Linux, AWS (EC2, S3, EMR, IAM), MongoDB, Redis, Solr, Hadoop, Spark, OpenTSDB, HBase, Finagle, Finatra, Akka, Lift, Tomcat, nginx, HA-Proxy

FEB 2017 – SEP 2021
MyToys Group, Germany
Senior Backend Developer

Description: Spearheaded the successful migration of MyToys Group's eCommerce platforms to the AWS cloud, significantly improving scalability and agility. Additionally, implemented a comprehensive big data solution leveraging Kafka and Spark for enhanced analytics and reporting capabilities.

Responsibilities:
Led a thorough analysis of MyToys Group's existing data infrastructure, defining a strategic roadmap for a seamless migration to the AWS cloud platform.

Increased deployment efficiency and reduced manual effort by automating infrastructure provisioning using Terraform.

Fostered a culture of continuous learning and innovation within the development team by providing comprehensive training on AWS services and best practices.

Designed and implemented a highly scalable data processing system utilizing Kafka to efficiently ingest and manage real-time data streams.

Leveraged Spark for in-depth data analysis and reporting, empowering informed business decisions.

Ensured data security and compliance throughout the migration and big data implementation process by designing and enforcing secure data transfer protocols.

Technologies: Java, Spring Boot, Linux, AWS (EC2, EMR, S3, IAM, Route53), Kafka, Spark, Solr, Oracle, MySQL, GnuGP, Terraform, Grafana

JUN 2014 – JAN 2017
NetQuest, Spain
Senior Backend Developer and Mobile Developer

Description: Successfully developed and launched a REST API and a mobile app for Netquest, a prominent online metrics and surveys company in Spain. This app aimed to expand user engagement and drive increased traffic to the platform.

Responsibilities:

Designed and built robust API services to seamlessly support the mobile app's functionalities.

Developed critical features that streamlined user interaction and expanded platform capabilities.

Ensured smooth integration of user interface and user experience elements by collaborating closely with visual design teams.

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Ensured smooth integration of user interface and user experience elements by collaborating closely with visual design teams.

Technologies: Swift, Xcode, Ruby on Rails, AWS, Linux and Hadoop.

MAR 2008 – MAY 2014
InfoJobs, Spain
Senior Search Developer

Description: Played a key role in enhancing InfoJobs' backend infrastructure and optimizing search functionalities to deliver a superior user experience. This included implementing advanced technologies, migrating to new search solutions, and developing innovative features to increase user engagement.

Responsibilities:

Researched and implemented cutting-edge search solutions, significantly improving user search experience and satisfaction.

Developed robust backend services that empowered various internal teams, leading to improved operational efficiency across the platform.

Successfully migrated InfoJobs' search system to Apache Solr, resulting in a significant boost in search performance.

Designed and implemented a recommendation system that effectively increased user engagement metrics on the platform.

Led the development of InfoJobs' first iPhone app, expanding platform accessibility and attracting a wider user base.

Technologies: Java, Solr, Linux, Oracle, memcached, JBoss, Tomcat, Spring, Hibernate, JavaScript, Bootstrap, JQuery, Xcode, Swift, VMWare

MAR 2003 – FEB 2008
Grupo Loyal, Spain
Teacher and Fullstack Developer

Description: Leveraged extensive technical expertise to contribute to Grupo Loyal, a group specializing in technical training and client application development. My activities included delivering training programs, leading project teams, and managing the company's IT infrastructure.

Responsibilities:

Conducted intensive training programs on in-demand technologies like Java, .NET, and Oracle, empowering corporate clients with valuable skill sets.

Led development teams in the successful delivery and deployment of client projects, ensuring adherence to deadlines and quality standards.

Acted as a substitute teacher when needed, demonstrating flexibility and commitment to maintaining training program continuity.

Implemented and managed the company's website and email services, contributing to the smooth operation of critical IT systems.

Technologies: Java, Oracle, Linux, JBoss, Tomcat, WebLogic, VMWare, .NET

EDUCATION:

Bachelor Degree of Computer Science
Oct 1993 - Jun 1999
Pontificia Universidad Católica del Ecuador (PUCE)

CERTIFICATIONS:

Scala Functional Programmer
Java Developer

INTERESTS:

Tango dancer and Martial Arts
Learn exotic computer languages like Gleam and Haskell