

Experienced Senior Software Engineer with a successful track record in big corporations, now transitioning to freelance. Contributed to multiple multi-year projects, leading coordination efforts for teams of over 30 software engineers. Proficient in Software Architecture, Development, and Management. Skilled in diverse platforms, including Java, C#, Go, and JavaScript. Ready to bring this extensive experience and expertise to new freelance opportunities for impactful and efficient project delivery.

Work Experience

Freelance Software Engineer	Self Employed Canada	Aug 2023-current
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Personal sabbatical	- Argentina/Canada	2022-Aug 2023
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- During my sabbatical, I took the opportunity to travel and focus on personal growth, and skill development. The time off allowed me to recharge and gain fresh perspectives.

Senior Software Architect Identity Monitoring	McAfee Canada	2020–2022
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- Led a team of approximately 20 software engineers in implementing the Identity Monitoring solution. This product marked McAfee's first privacy-oriented offering, making it a critical addition to our product lineup.
- Designed the architecture of the solution, APIs, and data models. These services are accessed by millions of clients globally.
- Worked closely with InfoSec, Product Managers, and Legal teams to ensure a secure and compliant solution.
- Implemented key components that significantly contributed to the timely release of the project, reaching millions of customers.

Technologies used: C#, AWS(DynamoDB,EC2,S3,Lambda,SQS,SNS,KMS), PostgreSQL, Docker, Go, PlantUML

Safe Credit Cards and Emails

- Led the development of the Safe cards and email features for one of McAfee's custom applications.
- Created the integration architecture and coordinated its implementation between several internal and external teams.
- Took on the role of a technical leader in the extensive year-long SAAS partner selection process.

Technologies used: Go, JWT, DynamoDB, Docker

Software Architect TrueKey(password manager)	Intel Security/McAfee Canada	2014–2020
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- Architected the user management and multifactor authentication capabilities of McAfee's password manager.
- Coordinated the implementation of these components with several teams spanning three different regions: Argentina, Canada, USA.
- Coded the analytics cloud bridge, facilitating millions of installed applications to send usage metrics.
- Acted as the principal technical leader during production outages.
- Contributed to the backend services by developing and refactoring critical functionality.

TrueKey Service(OpenID Connect)	Canada/Argentina
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- Crafted the TrueKey Cloud Service architecture and APIs.

- Led a team of more than 20 engineers to successfully release this solution.
- Implemented the Web SDK (JS) enabling several key partners to integrate our solution into their applications seamlessly.

Technologies used: C#, Cassandra, SQL Server, AWS(EC2, S3, SQS), Docker, Ruby, Javascript, Go, PlantUML, Kibana

Software Architect

Intel

2011–2014

CSP Identity

Córdoba, Argentina

- Architected the CSP Identity Service, a vital backbone of the Intel SAAS initiative.
- Directed a team of about 30 software engineers in implementing the OAuth2, SAML, and SCIM APIs.
- Successfully authored the real-time monitoring components and worked closely with the DevOps team to ensure a smooth release.

Technologies used: OAuth 2, C#, JavaScript, SQL Server, Cassandra, AWS, Splunk, NewRelic

Personal Projects

As part of my continuous learning process, I enjoy implementing projects that enable me to explore and learn different technologies.

TODO Application

- Developed a 'Mozilla Pocket' clone that enables users to save and organize articles, web pages, and other online content for convenient access.
- Through this project, my primary goal was to gain valuable expertise in web development, database management, and user authentication while ensuring a user-friendly experience and data security.

Project repository: <https://github.com/andrescosta/todo-spring-react>

Technologies used: Node.js, React, KeyCloak, Java 19, Spring Boot, PostgreSQL, LGTM Stack(Grafana), Docker

Ticketex Platform

- A work-in-progress cloud platform for online ticket sales. My primary goal is to implement a microservices-oriented architecture, leveraging a myriad of platforms and cloud patterns.

Project repository: <https://github.com/andrescosta/ticketex>

Technologies used: Go, Python, TypeScript, PostgreSQL, Auth0, MongoDB, Node.js, Docker

Technologies

- Languages: C#, Java, Go, JavaScript, SQL
- Databases: MySQL, PostgreSQL, SQL Server, Cassandra, DynamoDB
- Technologies: Kafka, Docker, Git, OpenID Connect, OAuth 2, AWS: SQS, SNS, EC2, S3, KMS
- Other: UML, Project Management

Education

- **Diploma in project management**, University Siglo 21, Argentina.
- **M.Sc. Computer Science**, University Blas Pascal, Argentina.
- **B.Sc. Computer Science**, University Blas Pascal, Argentina.