

Israel da Cunha

Software Engineer · System Designer

☎ +57 301 397 56 12 | ✉ yoisrael@gmail.com | 🌐 www.linkedin.com/in/israeldacunha/en

Delivers measurable impact across industries by designing, building, and scaling robust backend systems — from supporting millions in revenue for live events, to modernizing enterprise cloud infrastructure at Oracle, to leading core systems for finance and IT platforms. Combines strong foundations in object-oriented design, data modeling, and algorithmic thinking with hands-on leadership and a product-oriented mindset.

Key Skills: Problem-solving, Algorithms, Data Structures, Programming & Debugging. Strong OOP, Data Modeling, System Design, and Backend Development background.

PROFESSIONAL EXPERIENCE:

Senior Lead Engineer, FusionHit - *Project: Live Entertainment Startup (B2B & B2C)* 2022 – Present

- Drives a significant increase in revenue, achieving 20% more ticket sales and ~15% improved margins YoY by crafting and enhancing software systems that accurately predict demand and optimize pricing strategies for live events using data-driven analysis and specialized logic and business rules.
- Increases system uptime by ~30% by stabilizing critical backend services, addressing recurring failures, and ensuring high availability under increased transaction volumes.
- Reduces cloud operating costs by optimizing Lambda executions, minimizing reprocessing, enhancing observability on EC2, and migrating long-running tasks to more efficient ECS-based services.

Skills: Python, Linux, JS, Golang, AWS (EC2, Lambda, RDS, S3, Apache Airflow, Redshift).

Senior Member of Technical Staff (IC3), Oracle (OCI) 2021 – July 2022

- Enabled faster delivery of cloud services at OCI by providing development frameworks, reusable code, and DevOps templates—reducing time-to-market from over three months to just a few weeks.
- Streamlined product delivery and saved 600+ engineering hours per quarter by automating infrastructure software tasks such as deployment, security, and telemetry.
- Fostered strong cross-functional collaboration by supporting teams across the Developer Services org in adopting internal tools and services seamlessly.

Skills: Linux, Java, Dropwizard, SpringBoot, DevOps, Cloud-native systems, Oracle DBs.

Lead Software Engineer, Zemoga 2019 – 2021

- Spearheaded multiple improvements in a large-scale financial system, including backend refactors and database tuning, resulting in faster queries and improved system reliability.

- Redesigned a core backend controller to return modular JSON payloads, enabling progressive rendering of complex pages and reducing page interaction time by over 2x.
- Enhanced database performance by introducing indexing strategies and query optimizations, cutting load times on critical dashboards by half and eliminating frequent timeouts.

Skills: C#, Java, JavaScript, Python, AWS.

Software Development Engineer, Endava

2012 – 2019

- Revamped a legacy system, deploying a modernized pipeline and enhancing user experience for a market-leading product. Delivered on time, meeting stringent quality standards (*FDA-regulated product*).
- Constructed a distributed system for the healthcare sector using the JS stack and object-oriented techniques, ensuring codebase reliability and doubling the user workflow speed compared to the previous product iteration.
- Modernized IoT products for a telecom vendor, ensuring consistent back-end processing and user experience across audio/video devices under near realtime constraints. Boosted customer reach by 30% by facilitating integration with existing devices.

Skills: Linux, Oracle DB, C#, SQL, BI, NoSQL, JS, Angular, C++.

Software Developer, TATA Consultancy Services

2011 - 2012

- Transitioned complex financial products to a distributed software system using cloud-based web services and storage, doubling product adoption rates.
- Employed advanced constructs, such as parallel programming and platform-specific features, to enhance performance and reduce system response times by approximately 60%.
- Applied clean code and architectural practices to build a maintainable and scalable backend, using layering, clear domain modeling, and reusable design patterns.
- Improved data computations in a business intelligence product by employing efficient data structures and algorithms, optimizing the handling of vast data sets.

Skills: VB, C#, MS Azure, SQL, WCF.

OTHER EXPERIENCE / SIDE PROJECTS / INTERESTS:

- Built and optimized web systems, reducing page load times from 2s to 0.4s via load balancing and CDN strategies.
- Volunteer Full Stack Engineer at www.smartresponse.org (Java, Spring Boot, AWS).
- Avid table tennis enthusiast, actively training and competing.

EDUCATION:

Bachelor of Informatics Engineering, Universidad Santo Tomás, Medellín, Colombia (GPA 4.5 – Cum Laude)

Linux Networks Administrator, Centro Linux, Montevideo, Uruguay, 2010