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César Olea, M. Sc.

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Education

Ensenada, B.C.	**CICESE Research Center**	**Sep 2006	Sep 2008**

- M. Sc. in Computer Science.

Ciudad Obregón, Sonora	**Sonora Institute of Technology**	**Sep 2000	Dec 2005**

- BS in Electronics Engineering.

Work Experience

Chief Technology Officer	**LoanPro**	**May 2020 − Present**

Farmington, UT
- Responsible for executing the company's vision through its technology department.
- As CTO I make sure that the technology department is aligned to the business goals. I do this by defining metrics, monitoring and adjusting our development processes. I'm responsible for organizing the operation into the different teams, adapting as necessary.
- Also participate in research and development for key software development projects, either to explore new business opportunities, or improve our current operation or portfolio.

Director of Software Development	**Simnang, LLC.**	**Jun 2016 − May 2020**

Farmington, UT
- Directly responsible for all software development projects, quality assurance (QA) and operations. Planned, created and hired talent for the QA and Operations branch. Oversee new software development projects, assigning people according to their skills, interests and project viability. Managing relationships with third party vendors critical to our operation such as Amazon (AWS).
- As Director of Software Development I propose, plan and execute both internal and customer facing software development projects. Designed, implemented and executed the company software development process. Coordinated the PCI certification, culminating in the company achieving PCI DSS level 1 certification.
- Also act as Lead Infrastructure, Operations and Cloud Architect. In charge of defining the cloud strategy and architecting software development projects to run efficiently, reliably and cost effective in the AWS cloud.

Team Leader	**Simnang, LLC.**	**May 2013 − Jun 2016**

Farmington, UT
- Lead the team building its next generation Loan Servicing Software. Coordinated a team of developers using an open source stack: PHP, MySQL, JavaScript. Designed and developed key services used by the application such as a payment gateway, rules engine, push server for real time messaging and a job scheduler. Responsible for the technical stack, defining and assigning tasks, improving the development process, PCI certification and making sure the whole team was working towards the same goal in an efficient manner. Reports directly to the CEO.

Software Developer	**Contatta**	**May 2012 − Feb 2013**

Phoenix, AZ

- Senior Developer working with an open source stack: PHP, JavaScript, MySQL. Developed core functionality of the CRM platform such as: commenting, social services integration (Facebook and Twitter) and calendaring. Created custom extensible JavaScript widgets (such as popups and layout panels) to be used across the Web application.

Software Developer	**INgrooves**	**Dec 2011 – May 2012**

San Francisco, CA

- Senior Developer working with a Microsoft stack: C#, SQL Server, Windows services, Web applications, Web services. Designed and implemented an extensible mechanism to consume a variety of XML based messages coming from external services. Implemented a graphical user interface application to create and batch send test messages, to be used in the QA phase to test all the parts involved in message handling.

Program Manager	**Tiempo Development**	**Nov 2008 – Dec 2011**

Hermosillo, Sonora

- Acted as Senior Program Manager for our customer Direct Brands. Open Source technical leader for various projects. Responsible for planning and estimation of development projects, as well as training developers across the entire organization.

Skills

- Technical Skills: Java, Clojure / ClojureScript, PHP, JavaScript, SQL, Cloud Computing (AWS)
- Soft Skills: Distributed team management, Software development lifecycle management, Agile software development, Business analysis and requirements management, Software project forecasting and budget management, Team leadership and mentoring

Personal Projects

- **chip8-clj** (https://github.com/cesarolea/chip8-clj) A chip8 emulator written in Clojure. Uses Clojure and Java.
- **Anvil** (https://github.com/cesarolea/anvil-lein-template) A leiningen template for ClojureScript development. Uses Clojure.
- **Doom Fire** (https://github.com/cesarolea/cljs-doom-fire) An implementation of the Doom PSX fire effect. Uses ClojureScript, Quil and Figwheel.
- **Sheepish 3D** (https://github.com/cesarolea/sheepish-3d) A simple raycasting engine. Uses ClojureScript, Quil and Figwheel.

Certifications

- **AWS Cloud Practitioner** (Amazon Web Services) May 2020
- **AWS Solutions Architect - Associate** (Amazon Web Services) June 2020