

Nicolás Andrade

Senior Software Developer with experience in high-traffic, high-throughput and highly-available backend event-based applications.

+1 438-821-6426, Montréal, Québec nmac.com.ar linkedin.com/in/nicoandrade/ github.com/nicoandrade

Work Experience

Sr. Back-End Software Developer *Roofr • April 2023 - Present*

Senior software developer

Main Responsibilities

- Design, develop, and maintain core components of Roofr's web platform, ensuring scalability, reliability, and maintainability.
- Contribute to defining and enforcing company-wide software engineering standards and best practices.
- Lead post-incident analyses for production issues, driving root-cause identification, mitigation strategies, and preventive measures.
- Proactively identify and remove performance bottlenecks, improving system efficiency and reducing operational costs.
- Provide technical mentorship through code reviews, one-on-one sessions, and team ceremonies, fostering a culture of quality and continuous learning.

Main achievements and recognitions

- Championed stricter pre-merge validation pipelines (PHPStan, Test suite), reducing regressions and increasing team accountability.
- Streamlined local development by introducing a unified Makefile workflow, cutting onboarding time and setup errors.
- Led the design and implementation of a domain-driven transition away from CycleORM toward a repository-based architecture, improving domain decoupling and maintainability.
- Collaborated cross-team to standardize authorization and permission handling through reusable policies and typed DTOs.

Characteristics as a Senior Software Developer

- Passionate about solving complex problems through automation and elegant software design.
- Works iteratively, delivering incremental value and learning continuously from feedback loops.
- Encourages creative and disruptive thinking within the team, fostering innovation and ownership.
- Makes data-informed decisions, balancing analytical rigor with pragmatic execution.

Programming languages
PHP 8+, Laravel

Databases and data storage
PostgreSQL, Redis

Development tools and flows

Web Services and Infrastructure
AWS, Sentry, Heroku

[Privacy](#) - [Terms](#)

Sr. Full-stack Software Developer - Tech Lead SSENSE *November 2017 - January 2023*

Lead software developer of the Pricing domain, aiming for availability, scalability, maintainability, ease and performance on the price calculation for all products around the globe.

Main Responsibilities

- Coach and support the development team on the exploration, design and development of different features.
- Peel-off features out of the legacy monolithic stack into Cloud native applications.
- Help on the definition of company standards for software development.
- Perform benchmarks on services, fine-tuning resources and scaling thresholds.
- Complete incident reports for any service incident affecting customers, planning mitigation strategies and preventive actions.
- Identify and eliminate bottlenecks, find opportunities for performance improvement and cost reduction across the domain.
- Provide guidance to the team to follow best practices, through code reviews, one-on-one meetings and team ceremonies.
- Monitor service availability and acting upon incidents in the Production environment.
- Participate in the hiring process through interviewing and debriefing.

Main achievements and recognitions

- *Empowering Our People Ambassador*, nominated by different colleagues.
- Developed a scalable framework to build eventually-consistent per-product aggregates in near real-time based on multiple datapoints with minimum work required from the development team.
- Designed and deployed a Slack integration to access real-time product information such as price, stock, description and available discounts through Slack.

Characteristics as a Tech Lead

- Enjoys solving problems through automation.
- Works iteratively, bringing value and gathering knowledge on every cycle.
- Actively encourages team members to explore different ideas; encourage to think out of the box and be disruptive.
- Aims to rely on factual data before making any crucial decision; without falling in a paralysys by analysis situation.

- Enjoys environments with diversity of people, cultures, backgrounds, programming languages, technologies and mindsets.

Programming languages	Databases and data storage	Development tools and flows	Web Services and Infrastructure
NodeJs, TypeScript, PHP 7+, Python 3.8+, React 18+	PostgreSQL, Redis, DocumentDB, ElastiCache, MySQL, MongoDB, ElasticSearch	Docker, DockerHub, Jenkins, Helm, Serverless, Elastic Container Repository	AWS S3, AWS SQS, Kubernetes, Step-Functions, API Gateway, DataDog Alerting and APM

Lead Code Auditor *Mindgeek* • February 2017 - November 2017

Being the Tech Lead of the Internal Product Security Team, I was responsible for reviewing source code to discover if there are any potential security weaknesses, bugs, exploits or violations of programming standards in the external properties of the company.

Main Responsibilities

- Auditing the codebase of the internal products and applications.
- Provide technical guidance to the Security Analysts within my team and the Engineering department.
- Participate in Security Awareness trainings for new employees.
- Provide insight and guidance to multiple development teams.
- Triage bug-bounty submissions from researchers, assessing their impact and proper follow up.
- Work closely to the Engineering team and the hosting services provider regarding the different aspects of security of the infrastructure.

Tech Lead - Senior Developer *Mindgeek* • October 2010 - February 2017

Leader of a team of 7 software developers owning 5 different projects, being the interface between the Front-End, Back-End and Product Owners.

Being a lead of 5 different projects I found myself de-duplicating code I've inherited; redesigning and developing new services.

After five years in the Tubes department, I moved to the Traffic Junky Platform Team, working on one of the most trafficked and profitable ad-networks in the adult industry; improving the CMS system and implementing data analytics.

Main Responsibilities

- Coaching and supporting the development team on the exploration, design and development of different features.
- Designed a framework to merge 4 different domains in a single back-end codebase, reducing development and maintenance efforts.
- Identifying and eliminating bottlenecks, find opportunities for performance improvement and cost reduction.

- Providing guidance to the team to follow best practices, through code reviews, one-on-one meetings and team ceremonies.
- Monitoring service availability and acting upon incidents in the Production environment.
- Participating in the hiring process by driving technical interviews and attending debrief sessions.

Programming languages	Databases and data storage	Development tools and flows	Infrastructure
PHP 5 through 7, JavaScript, Bash	Redis, MySQL, HP Vertica, MemCached	Vagrant, Docker, Linux, Subversion	HAProxy, multiple edge-CDN providers

Skills

Spoken languages	Development tools and practices	Cloud Services and Infrastructure	Databases and Data storage
English, Français, Español	Visual Studio Code (with DevContainers), Linux and OSX, Docker, Git, Git Flow and Trunk-Based development	AWS IAM, API Gateway, SQS, S3, SNS, State machines / Step Functions, Kubernetes, Docker, EKS, CloudWatch, DataDog APM and Logs, NewRelic, PagerDuty	PostgreSQL, MySQL, MongoDB, DynamoDB, DocumentDB, Redis, ElasticSearch. Query optimisation, replication, sharding, materialized views.
Programming Languages	Design patterns	Quality and CI/CD	Documentation and visualization
Node.js, TypeScript, JavaScript, PHP 7.1+, Python 3.8+, React 17.0+	CQRS, MVC, Event-based architecture, Unit and Integration tests	Jenkins Blue Ocean, Azure Pipelines (basic); Mocha, Python UnitTest, Jest, SonarQube	LucidCharts, C4 Models, Swagger API Documentation

Open Source Contributions

Lambda functions using Docker in AWS, enabled with Serverless-Offline

[Serverless-offline-lambda-docker](#) is a Serverless plugin which allows developers to run Serverless Offline in their local environments; but to use Docker Images when deploying the stack to AWS Cloudformation. It was built to ease Serverless development but leverage Docker images in AWS in a transparent and simple way.

Cachier, bug fix

Cachier is a persistent, stale-free, local and cross-machine caching for Python functions. It can be installed with `pip install cachier` and used as a decorator.

Fixes a bug that would cause deadlocks under certain conditions. The fix was done in a backwards-compatible fashion and users would need to opt-in.

[Issue - Pull request](#)

S3rver, bug fix

S3rver aims to be a S3 clone to run in your local environment to ease the development flow. It can be installed with `npm install s3rver` and is a dependency of the `serverless-s3-local` plugin.

S3rver wasn't properly handling the Range request, which made the `smart-open` Python library to fail certain requests.

Issue - Pull request

Serverless-Step-Functions-Local-Docker

The Serverless Step Functions Local plugin for Docker contained a bug where the `stage` configuration variable was read from a single, outdated location. The provided fix tries to read the `stage` from the provider configuration; and fallsback to legacy value when required.

[Pull request](#)