



Germán Küber

Rust & Cryptographic Systems Engineer

Senior Systems Engineer with deep expertise in Rust, low-level performance engineering, and blockchain infrastructure. Specialized in MEV and high-precision execution across EVM and Solana, and currently focused on advanced cryptographic technologies—Zero-Knowledge systems, TEEs, and privacy-preserving computation. Experienced in researching and prototyping ZK circuits, secure execution models, and emerging cryptographic tooling, including early exploration of homomorphic encryption workflows.

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WORK EXPERIENCE

Lead AI Architect (Technical Creator)

KliverAI

04/2025 - Present

Achievements/Tasks

- Designed and built the full architecture of Kliver, an AI-driven conversational simulation platform (Python + .NET + Kubernetes) supporting dynamic multi-step roleplay training.
- Implemented low-latency real-time audio pipelines using OpenAI Realtime API and SignalR, enabling streaming text/audio, event-driven interactions, and responsive conversational loops.
- Developed the adaptive simulation engine with LangGraph, including step navigation (H/HH/HHH), success/failure logic, and RAG-powered personalization using workspace-specific documentation.
- Built internal data pipelines for analytics: structured logging of conversations, aggregation of performance metrics, and generation of datasets for training evaluation and model consistency.

Fractional CTO

Rocking Product

04/2025 - 11/2025

Buenos Aires

Achievements/Tasks

- Led research initiatives on LLM architectures, evaluation methods, and emerging techniques (RAG, fine-tuning, model optimization), identifying opportunities to enhance product capabilities.
- Redesigned AI and LLM-powered modules, improving latency, accuracy, and consistency through better prompt structures, inference flows, and model selection.
- Designed end-to-end LLM system workflows, including context pipelines, retrieval strategies, and scalable inference patterns aligned with real-user requirements.
- Provided technical leadership to the engineering team—defining tasks, guiding experimentation, and establishing best practices for building AI-driven features.

Lead Software Engineer

Borderless Capital / CTF. Capital

08/2021 - 04/2025

Achievements/Tasks

- Designed and implemented high-performance MEV searcher pipelines in Rust for both EVM and Solana, optimizing execution latency through custom networking and parallel transaction broadcasting.
- Built custom transaction delivery systems (RPC + direct validator/TPU routes), achieving sub-slot execution and improving inclusion probability under heavy mempool competition.
- Developed strategy logic including liquidation detection, multi-hop arbitrage, cross-chain flow modeling, and block simulation tooling for opportunity validation and backtesting.
- Implemented low-latency monitoring and analytics using Prometheus + custom Rust telemetry, enabling real-time insight into slot timing, validator rotation, and execution performance.
- Conducted research and proof-of-concept development on zero-knowledge technologies and L2 ecosystems (StarkNet, ZK circuits, account abstraction), evaluating their applicability for internal MEV tooling and next-generation blockchain products.



WORK EXPERIENCE

Sr. Software Architect (Front-End / Back-End)

Paramo Technology

08/2020 - 08/2021

Achievements/Tasks

- Led all architecture decisions for a large-scale online casino platform, defining core systems, services, and technical standards across the organization.
- Conducted technical interviews and built high-performance engineering teams aligned with the company's product and scalability needs.
- Organized and delivered internal training sessions to upskill developers, establish best practices, and improve engineering consistency.
- Collaborated across all departments to align product, engineering, and infrastructure requirements, ensuring reliable and scalable platform growth.

Software Architect (Front-End / Back-End)

CloudX

08/2017 - 08/2020

Achievements/Tasks

- Designed scalable Angular/React solutions and reusable UI components, leading architecture decisions across multiple product lines.
- Implemented microservices-based backend architecture and domain-driven designs to support high-availability enterprise applications.
- Delivered technical training and conference talks for partners and internal teams, improving engineering practices and cross-team alignment.
- Collaborated directly with clients through on-site visits, gathering requirements, refining product roadmaps, and ensuring successful technical adoption.

Buenos Aires

Software Architect (Angular / .NET)

Majestic Hotel Group

01/2014 - 08/2017

Achievements/Tasks

- Estimated tasks and developed full-stack features using Angular and .NET for internal hotel management applications.
- Led the migration from AngularJS to Angular 4, improving maintainability, performance, and code consistency across the platform.
- Redesigned the data model and refactored backend workflows toward an event-oriented architecture, reducing coupling and simplifying integrations.
- Defined and documented backend and frontend development processes to streamline deployments and team collaboration.

.Net Web Developer

Plus54

08/2009 - 03/2014

Achievements/Tasks

- Developed .NET web applications and internal tools, delivering features across backend and frontend.
- Designed and built early mobile application components, collaborating with senior developers on architecture and UX.
- Integrated external services and APIs, implementing unit tests and ensuring reliable data exchange between systems.

Buenos Aires



SKILLS

Rust Hardhat Foundry EVM Huff Prometheus Blockchain Object Oriented Programming Pattern Design
 C# TypeScript JavaScript Azure Aws Functional Programming LLM System Design Prompt Engineering
 Haskell NodeJs Domain Driven Design DuckDB Huff Docker Cryptography MEV Zero Knowledge



SOFT SKILLS

Avid learner Collaborative Teamwork Rapid Learning & Research Adaptability Clear Technical Communication
 End-to-end big picture Mentorship and Coaching Deep Focus / High-Concentration Work Results-focused
 Analytical Problem-Solving

EDUCATION

Systems Engineer

UAI - Universidad Abierta Interamericana

01/2017 - 12/2021

Buenos Aires, Argentina

HONOR AWARDS

Microsoft MVP Developer Technologies (02/2017 - Present)
Microsoft

Microsoft Student Partners (01/2016 - Present)
Microsoft

- Is a recognition about my effort in the university and the community.

VOLUNTEER EXPERIENCE

Programá tu futuro

Buenos Aires Government

02/2015 - 10/2015

Tasks/Achievements

- Teach programing

Buenos Aires

CERTIFICATES

MS: Developing Microsoft Azure Solutions (02/2016 - Present)

MCPS: Microsoft Certified Professional (02/2015 - Present)

Software Architecture (01/2015 - 08/2015)

ORGANIZATIONS

Crypto Para Mortales (Conference) (01/2023 - Present)
Founder

Net-Baires (.NET Community) (01/2015 - Present)
Founder

Patrones Para Mortales (03/2020 - Present)

LANGUAGES

Spanish
Native or Bilingual Proficiency

English
Full Professional Proficiency