

> Max Konin

Software Engineer

Buenos Aires, Argentina · English, Russian, Spanish

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Summary

I'm a seasoned software engineer with over 10 years in web application development. Specializing in Ruby on Rails, Node.js, Elixir/Phoenix, React, EmberJS, AWS, Docker, and microservices architecture. Contributor to open-source projects, startups co-founder and instructor of a university Ruby on Rails course

Experience

Senior Software Engineer @ Upfirst

2025 - Present

Remote

- Voice AI agents: real-time call handling with OpenAI Realtime and ElevenLabs; LLM tasks on OpenAI and Gemini.
- SMS auto-reply engine for AI agents: debounced conversations, LLM decisions and escalation, STOP/HELP compliance and Telnyx 10DLC registration.
- Billing on Stripe: plans, add-ons and quantity that follows the number of agents.
- Calendar integrations for booking, and a shared inbox for calls and chats.
- Platform: TypeScript microservices on GCP (Pub/Sub, Cloud Tasks) provisioned with Pulumi, observed with OpenTelemetry and Sentry.
- AI-assisted engineering: Claude Code agents and skills for planning, code review and browser QA.

TypeScript · Node.js · Express · Next.js · React · PostgreSQL · Drizzle · Redis · GCP · Pulumi · OpenAI Realtime · Gemini · ElevenLabs · Telnyx · Stripe · OpenTelemetry · Nx · Vitest

Lead Software Engineer @ Relaxify AI

2024 - 2025

Argentina

- Architecture & System Design: Defined and implemented the core architecture of the platform, including AI agent coordination, chat interface, and secure data flows.
- AI Integration: Led the integration of LLM-based agents for cognitive behavioral therapy (CBT), stress and anxiety reduction, and personalized emotional support.
- Product Collaboration: Worked closely with product and design teams to translate mental health best practices into intuitive, user-friendly digital experiences.

Ruby On Rails (8) · NodeJS · Hotwire · Hotwire Native · Stimulus · TailwindCSS · PostgreSQL

Lead Software Engineer @ Tradelanes LLC

2019 - 2024

US, CA

- **Technical Team Leadership**
 - └ Ensuring coordination and collaboration between developers.
 - └ Training and mentoring team members, supporting their professional growth.
- **Design and Architecture**
 - └ Developing and implementing architectural solutions that meet the project requirements.
 - └ Participating in the selection of technologies, tools, and methodologies for development.
- **Code Review and Coding Standards**
 - └ Conducting regular code reviews to ensure the quality and compliance of the code base with standards.
 - └ Developing and maintaining coding standards and best practices.
- **Development and Testing**
 - └ Developing new features and maintaining existing ones.
 - └ Writing unit, integration, and acceptance tests.

ReactJS (vite SPA) · EmberJS · NodeJS · HAPIJS · NestJS · AWS AppSync (GraphQL) · AWS lambda functions · MySQL · Kafka · AWS Event Source · AWS DynamoDB · AWS SQS · AWS SNS

Senior Ruby on Rails Developer @ Nightwatch

2018 - 2019

Remote

- Development of new features and maintenance of the SEO rank tracking SaaS: Ruby on Rails API and Ember.js frontend.
- Design of JSON APIs consumed by the Ember.js client, and integrations with third-party services.
- Background jobs, and performance tuning of PostgreSQL queries.
- Code review, automated testing, and mentoring of developers.

[Ruby on Rails](#) · [EmberJS](#) · [PostgreSQL](#) · [RSpec](#)

Senior Lecturer @ Siberian State University of Telecommunications and Information Science

2017 - 2022

Novosibirsk, Russia

- Taught courses
 - | Probability Theory and Math statistics
 - | Web development (Ruby on Rails)

[Python](#) · [R](#) · [Ruby on Rails](#)

Senior Ruby on Rails Developer @ ParcelBright

2017

UK (Remote)

- Development of the parcel delivery booking platform on Ruby on Rails: customer site, admin and API.
- Carrier integrations (DHL, DPD): pricing, liability cover and carrier account configuration.
- Background processing with Sidekiq, and shipping labels generated as PDFs.
- Automated testing with RSpec and Cucumber, and code review.

[Ruby on Rails](#) · [PostgreSQL](#) · [Sidekiq](#) · [AWS](#) · [RSpec](#) · [Cucumber](#) · [jQuery](#)

Development Team Lead @ YUFU LLC

2014 - 2018

Xiamen, Fujian, China

- Managed the development team.
- Collaborated with Development Project Managers to ensure requirements are met and delivered accurately.
- Designed the architecture of the distributed telecommunication system including real-time billing, telecom switch, web application, service desk.
- Guided software development teams through mentorship and code review.

[Ruby on Rails](#) · [Go](#) · [PostgreSQL](#) · [MongoDB](#) · [Elixir](#) · [EmberJS](#)

Tech Lead and Co-Founder @ KerWeb LLC

2013 - 2018

Novosibirsk, Russia

- Developed a web application for the management of a network of online stores.
- Managed the development team, conducted code reviews, and participated in the development.
- Designed the architecture of the system, developed the API.

[Ruby on Rails](#) · [EmberJS](#) · [NodeJS](#) · [PostgreSQL](#) · [MySQL](#) · [MongoDB](#)

Full Stack Engineer. Freelance @ Upwork

2012 - 2014

Remote

- Worked as a freelancer for different clients. Mainly in web development (Ruby on Rails).

Projects

termwire

github.com/max-konin/termwire

A CLI that opens a ready workspace per task: a tmux session with Neovim and OpenCode, optionally in its own git worktree and branch.

- One command (`termwire up <name>`) creates or attaches a tmux session for a task.
- Optional git worktree and branch per session, so parallel tasks never share a checkout.
- JSONC layouts per user or per project; an OpenCode plugin tool opens files in the session's Neovim.

[TypeScript](#) · [Bun](#) · [tmux](#) · [Neovim](#) · [OpenCode](#) · [Biome](#)

SpeakTales

An AI storytelling platform that writes personalized children's stories and narrates them with a distinct voice for every character.

- Story generation from a short prompt, tailored to themes, characters, age and educational goals.
- Automatic character extraction and voice casting, with speech synthesis on ElevenLabs.
- Rails 8 web app with Phlex components and a native iOS app on Hotwire Native.
- English, Russian and Spanish; containerized and deployed with Kamal.

[Ruby on Rails](#) · [RubyLLM](#) · [ElevenLabs](#) · [Hotwire Native](#) · [Phlex](#) · [Solid Queue](#) · [Kamal](#)

Event Craft

github.com/max-konin/event-craft

A Node.js package for domain logic with CQRS, event sourcing and Railway Oriented Programming.

- Commands validate input with zod and return events or errors as fp-ts Either values.
- Aggregates rebuilt from events, with versioned events for event sourcing.
- Example application and Vitest matchers for Either results.

[TypeScript](#) · [fp-ts](#) · [zod](#) · [Vitest](#)

Skills

ruby	Ruby on Rails, Hotwire (Turbo, Stimulus), Grape, Hotwire Native, ActiveRecord, Mongoid, Sidekiq, Solid Queue, Devise, OmniAuth, Pundit, RSpec, Capybara, FactoryBot, RuboCop, Capistrano · 11 years
javascript	TypeScript, JavaScript, React, Next.js, EmberJS, TanStack, TailwindCSS, Storybook, Node.js, NestJS, Express, hapi, Bun, Prisma, Drizzle, TypeORM, Zod, Jest, Vitest, Playwright, Mocha, Vite, Turborepo · 13+ years
elixir	Phoenix, LiveView, Ecto · 4 years
go	maintenance and bug fixes of an open-source telecom billing system · 4 years
python	NumPy, pandas, pytest · 5 years
r	scientific computing; taught as part of the Math Statistics course · 5 years
architecture	microservices, serverless, distributed systems, event sourcing, CQRS, projections, pub/sub, Kafka, AWS SQS, AWS SNS, DynamoDB, REST, JSON:API, GraphQL, domain modeling, railway-oriented programming
ai	LLM agents for CBT and emotional support, agent coordination, real-time voice agents, OpenAI API, OpenAI Realtime, OpenAI Agents SDK, Gemini API, ElevenLabs, RubyLLM, Claude Code, OpenCode · 2+ years
databases	PostgreSQL, MySQL, MongoDB, DynamoDB, Redis
cloud	Pub/Sub, Cloud Tasks, Cloud SQL, Cloud Storage, Lambda, AppSync, API Gateway, S3, Cognito, Pulumi, AWS CDK, Docker, Vercel, OpenTelemetry, Sentry, Datadog
leadership	team lead, mentoring, code review, coding standards, Ruby on Rails, Probability Theory and Math Statistics · 11 years

Education

Postgraduate studies	2012 - 2015
Institute of Computational Mathematics and Mathematical Geophysics SB RAS, Novosibirsk, Russia	
Master's degree, Applied Mathematics and Informatics	2010 - 2012
Novosibirsk State University, Faculty of Mechanics and Mathematics, Novosibirsk, Russia	
Bachelor's degree, Applied Mathematics and Informatics	2007 - 2010
Novosibirsk State University, Faculty of Mechanics and Mathematics, Novosibirsk, Russia	