



Juliete Chapel

Senior Software Engineer · Elixir, PostgreSQL, Rust

jules+codes@haunted.host · haunted.host · github.com/hauntedhost · linkedin.com/in/hauntedhost

Backend engineer with full-stack fluency, 15+ years. I carry hard problems end to end, surface tradeoffs early, and ship systems that people can understand, trust, and use.

专治疑难杂症

EXPERIENCE

Independent Engineering Sabbatical

December 2025 – Present

Shipped an endometriosis surgeon finder to help an overwhelmed friend compare and choose from specialists. Created a research system in Elixir and Oban to explore structural patterns of pain across millions of posts. Wrote a search engine for my own writing across a lifetime of notes, emails and conversations. Built a local LLM server for private data, running open-source Qwen models on my own hardware.

Senior Software Engineer

Remote.com · September 2023 – November 2025

Led the backend for UK employer tax payments, with a full event history. Shipped the Gusto integration that ran US payroll, building the event log that made failures traceable, then led the first phase of the benefits sync. Built a two-way sync between Zendesk and payroll comments, so customers and support shared one thread instead of two tools. Wrote a Rust fuzzy finder that indexes a massive Elixir codebase in milliseconds for quick module jumps.

Lead Elixir Phoenix Developer

StatMuse · March 2016 – December 2022

Replaced the Node MVP with Elixir and Phoenix in six months, then led its development for six years. Laid the SEO foundation that put 8M pages in front of Google. Built the content engine that generated thousands of stat stories a day, powering the iOS app and push notifications. Built autosuggest end-to-end on Elasticsearch, cut slow Postgres queries to under 1ms, and backfilled millions of rows without downtime. Wore every hat to ship an AR experience around a 3D bust of John Madden for the Pro Football Hall of Fame.

EDUCATION

App Academy · Web Application Development · 2013

The Art Institute of Philadelphia · 3D Computer Animation

SKILLS

Core Stack

Elixir · Phoenix · PostgreSQL
TypeScript · React · Rust

Data Engineering

Schema design under load
Zero-downtime migrations
Query optimization
Performance tuning

System Architecture

API design · OTP supervision trees
Background jobs · Caching layers
Third-party integrations

Software Delivery

Automated testing · CI/CD
Observability · OpenTelemetry
Orchestration · Kubernetes · AWS

Agentic Workflows

Coding agents · Claude Code
Codex · MCP servers
Human-in-the-loop review

EARLIER EXPERIENCE

Senior Software Engineer

Stitch Fix · 2015–2016

Lead Web Developer

Unreal Group · 2014–2015

Software Engineer

Topspin Media · 2013–2014

Web Developer (founder)

Nine Clouds · through 2013