

NICHOLAS JAY RIOS

tinyurl.com/nick-rios

SENIOR SOLUTIONS ARCHITECT | GENERATIVE AI | FULL-STACK ENGINEER

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EXPERIENCE

DIGITAL HARBOR — Team Lead / AI Developer

Nov 2020 – Recent

We built a feature-rich **WYSIWYG** platform for creating and deploying **Set-forms**.

I was team lead for two teams and got both on track before starting a new innovation team.

- Initiated a shared Angular components library for related projects.
- Created a natural language WYSIWYG interface.
- Also launched image and AI API tools used by the company.
- I was a major creative ideas and code contributor to Set-Forms.
- Developed an AI services manager used to manage prompts and sequences.
- Used n8n and OpenAI to analyze developer stand-ups.
- Integrated AI to our GIT activity, integrated that with MySQL and Teams.
- Created strong working relationships with multiple teams.

CISCO SYSTEMS — Senior Engineer

Dec 2012 – Mar 2020

Led the development of **Cisco's Single Pane of Glass**, a distributed system built on **ElasticSearch**, to manage big data streams from customer devices.

- Designed and stood up a scalable Elastic Search project.
- Got to interview my team. Which was great experience.
- Learned and implemented neo4j into project.
- Created beautiful reusable Angular dashboards.
- We had our initial production release after about 12 months.
- The product was ready and launch was successful.
- Eventually lead off-shore teams and contributed to company widgets library.
- Our team received global recognition and an award for innovation.

MULTIVIEW — Corporate Developer

Mar 2009 – Jan 2012

Worked on the corporate team at this b2b association advertising agency.

- Developed an award-winning homepage.
- Streamlined team processes by automating tasks.
- Deployed a video streaming platform.
- Ultra-fast paced sales environment.
- Collaborated with multiple teams.
- Designed more than ever in career.

NEXSTAR BROADCASTING — SWE

Jun 2005 – Mar 2009

Consolidated 60+ local TV station websites into a common platform.

- Centralized digital ad tracking with sales department.
- Developed a custom classifieds ads system.
- Hands-on datacenter server support.
- Standardized and centralized admin interfaces.
- Created a company wide shared asset library.
- Peak traffic over a million views.

PROJECTS

IMPREMEDIA

Launched bilingual news portal.

WEAREAUSTIN

Local TV station homepage

ARMORY AGENCY

Launched drakomotors.com

AT&T | SPRINT

Troubleshooting and installations

WEBSITES

hatsyshirtsy.com

Dropshipping store AI art

dollar-stocks.com

Stock market AI generated content

songdeconstruct.com

Music AI generated content

spoiledscripts.com

Movie AI content

loikos.com

Real estate AI content

gizm0s.com

Gadget review AI content

ai-workflows.net

AI generated workflows

nicksprompts.com

Blog of notable prompts

linkedin.com/nick-rios/

Linkedin profile

medium.com/@nick.rios

My medium account

github.com/nick227

My github profile

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ABOUT ME

I live in Austin with Anita and enjoy spending time with family. I experiment with short film and YouTube content. During SXSW, I love getting out there with my camera. I jumped into AI early and am in deep now. I'm on a quest to find actually good use for generative AI. After the last few years I have some thoughts on the subject.



DESIGN

Great UI/UX design is simple. User experiences should be intuitive and fast. Reducing clicks and prioritizing core functionality is key to success. Great projects need great support. Ambiguity in the designs shows up in the code. Usability, alignment and consistency is my priority. I like using low-fidelity tools like Google Slides. A website is a tool to do something.

LEADERSHIP

I lead by example and take ownership of challenging tasks. I promote organized meaningful meetings with clear objectives and action items. I am for very lean processes. The daily scrum is a developers chance to be honest. Get developers to share responsibility. Assign code reviewers early and encourage them to talk. Just get up and talk to the person.

SYSTEMS

Building great things, is a matter of doing many small thing well. First we define business objects. Then break the system into layers and divide the layers into parts. Each layer of the system should be built independently and attached loosely. Everything we deliver should be modular and reusable. We try to never code the same thing twice. We also want to run as light as possible for as long as possible.

TECHNOLOGY

Languages: JavaScript, TypeScript, Python, Node.js, PHP, C#, Dart

Databases: MySQL, NoSQL, Pinecone, Neo4j, ElasticSearch, Firebase, Redis, MongoDB, NeDB, SQLite, PostgreSQL

Front-End Frameworks: Angular, React, Vue, Redux, Vuex

Back-End Libraries: NestJS, Loopback, Django, Meteor, Wordpress, Smarty

Additional Frameworks: React Native, Flutter, Solidity, Electron, LitElement, Jasmine

AI & Automation: n8n, Langchain, RAG, LLamaindex, ElevenLabs, Stable Diffusion, Cursor, TensorFlow

DevOps & CI/CD: Jenkins, GitLab, Docker, AWS Lambda (Alexa), RabbitMQ, Kafka, JIRA

APIs and Tools: Google CSE, Unsplash, OpenRouter, Polygon.io, Stripe, RapidAPI, Dezgo

Hosting & Cloud: AWS, Heroku, Google Cloud, Railway, Cloudinary, Memcached, Nginx, Apache