RICHARD HUTTA

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Zlin/Prague, Czech Republic   Age: 31 yo

SHORT INTRO

Engineer with a deep understanding of software, excelling in web, finance, crypto, and DevOps. Proven ability to build complex applications, perform reverse engineering, ensure security, and leverage AI/ML (including LLMs and deep learning). Expertise in building large scale applications, with a specialty in the finance sector. Proficient in building architectures that can last. Extensive experience in web development (React, Node.js, backend), microservices, and cloud infrastructure (Kubernetes). Demonstrated ability to build and run startups through their full life cycle. Passionate about poker and game theory.

SKILLS

Languages: Golang, Python, Ruby, Java, Node.js/Javascript (Typescript), Solidity, PHP, Lua, C# (Unity), SQL **Web Development:** React, Vue.js, Next.js, Electron, Ionic, V8/Quickjs, WASM, Ruby on Rails, Nette/Symphony/Laravel, Node.js, Go, Firebase, Protocol Buffers, GRPC, OpenAPI, JSON REST APIs **DevOps:** Git, CI/CD, Kubernetes, Docker, AWS/GCP, Terraform, Tilt, Argo, Gitlab, Grafana, OpenTracking, Jaeger, Elastic, Nginx, Traefik, Envoy **Architecture/Microservices:** Domain Driven Design, Monorepositories, Microservices **Web3/Finance:** Ethereum, EVM, BTC, Solidity, Hardhat, OpenZeppelin, ERC Standards, Fix Protocol **Security:** Reverse Engineering (Binary Ninja, IDA Pro, Frida), RCE, Metasploit, Kali Linux, Proxies, SSL, Asymmetric/Symmetric Cryptography, Encryption, Security Audits, Threat Analysis **AI/ML, Data Science:** Scikit-learn, Tensorflow, Pytorch, Numpy, Pandas Reinforcement Learning, OpenAI Gym **Databases:** PostgreSQL, MongoDB, LevelDB, SQL Query Optimization, Indexing, Sharding, Event Sourcing, Supabase **Marketing:** Google Ads, Facebook Ads, TikTok, Facebook Pixel, Google Tag Manager, Google Analytics, Figma, Photoshop, Illustrator, Blender **Software Testing:** Unit Testing, Integration Testing

PROJECTS

Poker Solver | *Golang*

- Solving Texas Hold'em poker using Monte Carlo Tree Search with baselines.
- Link to Github

Clean.tech (formerly Electrious) | *Python, AI, 3D Modelling*

- Platform to download 3D models and analyze & design solar panels (partially using AI).
- Youtube Showcase

MageBrotherhood | *Typescript, Next.js, Hardhat, Solidity*

- NFT project originally intended as a NFT game, evolving into a full ecosystem. Everything is my working including the game demo.
- Decentralized exchange, NFT, token contracts.
- Link to MageBrotherhood, Link to Game Preview, Link to Github

Research for Forbes | *Python, Data Mining*

- Proved that the 2016 elections in the US were manipulated on Instagram and other social media.
- Datamined over 70GB of raw data and analyzed over several TB of images.
- Open source library to access Instagram private APIs: Github
- Article on Forbes: Link To Forbes

EXPERIENCE

Upcomers
2024

CTO

- Led the complete design and development of a proprietary trading platform from concept to deployment. From scratch I carried this startup to first revenue.

Ematiq
2024

Software Developer

- Developed software solutions for a company in the betting industry.

Quantlane (FTMO company)
2024

Software Developer

- Contributed to software development at a quantitative trading firm. Software development for financial markets.

Clean.tech - Electrious LLC
2017 - 2020

Co-founder

- Startup originally founded by me and my friend in Czech aiming for the US market. Inspired by the business model of Sunnova.
- Built a platform to download 3D models and analyze & design solar panels (partially using AI).

Sunnova LLC
2016 - 2017

Node.js / Golang developer

- One of the biggest providers of solar in the US, doing installations and solar loans.
- Responsible for service generating 3D models of buildings.
- First time writing Golang in production.

Rhinobit Software GmbH
2014 - 2016

Node.js / JS developer

- Worked on a poker based client and many of its dynamic javascript parts.
- First time in gambling industry.

Avantea s.r.o.
2013 - 2014

Ruby on Rails developer

- Mostly building websites based on Ruby on Rails.
- Did various html frontends for pharma companies.

Grand Media s.r.o.
2011 - 2013

junior php developer

- Started as a Wordpress, Magento developer.
- Later started building in own frameworks and eventually started using Nette/Symphony.

EDUCATION

Vysoké učení technické   Brno, Czech Republic

Bachelor's degree (ended)   *2014 – 2015*

Integrovaná střední škola Cheb   Cheb, Czech Republic

Technical focus   *2009 – 2013*

INTERESTS

Poker, MMA, Gym