GURGEN HAYRAPETYAN

Armenia, Yerevan • +37455094999 • irasjonell@pm.me

in linkedin.com/in/gurgenhayrapetyan/ ⚬ github.com/rasjonell

SOFTWARE ENGINEER

Summary

SOFTWARE ENGINEER. Writing secure and reliable code for distributed, fault-tolerant systems. Skilled in Graph Databases, Real-Time systems, Erlang/Elixir, and Typescript.

Work experience

November 2019 - Present

Free Open Source Software Maintainer

Squash Consulting

Building Free Open Source Software solutions.
Architecting Graph Databases to enable suggestion systems, platform personalization, and fraud detection.
Exposing Graph Database use-cases to Elixir/Erlang and JavaScript/TypeScript ecosystems.

June 2019 - June 2020

Software Engineer

GRÜV

Full Stack Development with Graph DBs and suggestion systems. Architecting Graph-backed databases to enable community detection, personalized suggestions/recommendations. Building NodeJS based API services using Express, JSON-API, and Micro-Serivice architecture. Building ReactJS based apps using Redux/Rematch and NextJS that rely on REST-ful APIs. Writing unit and integration tests.

July 2018 - May 2019

Full Stack Engineer

Vineti

Full Stack web development with Ruby on Rails and ReactJS. Building Rails based API services using Trailblazer, JSON-API to support user-facing applications. Building ReactJS based apps using Redux that rely on REST-ful APIs. Writing unit and integration tests. Working closely with product managers and designers.

Feb 2018 - May 2018

Elixir/Phoenix Developer

GlobalR

Writing modern web applications using Elixir/Phoenix with microservice architectural patterns for distributed systems by mixing tried and functional technologies. Working with e-commerce plugins(Stripe, AliPay), ElasticSearch.

March 2017 - Feb 2018

Lead Software Engineer

LocoTech

Writing code for embedded systems for automated irrigation. Establishing communication between IoT decices. Working with Telegram API. Technologies used: C/C++(embedded systems), Python(Data Analysis), Ruby on Rails(BackEnd), ReactJS(Front End), PostgreSQL(DB)

Education

2017 - 2020

Bachelor of Science, Computer Science

American University of Armenia

At **AUA**, I take various courses on Math such as Calculus, Linear Algebra, Discrete Mathematics, Probabilty and Optimization, as well Data Structures and Algorithmes, Operating System Desing, High Performance Computing and many more to improve my skills in Software Engineering.

2011 - 2015

Non-Degree Program, Computer Science

TUMO

At **TUMO** Center for Creative Technologies, technology and art merge to provide teens everything they need to give them a competitive edge in a digital world. With access to state of the art technology and the chance to learn directly from some of the world's leading professionals in web design, robotics, animation, film and much more, TUMO teens are encouraged to tap into their entrepreneurial intuitions to create and expand the boundaries of today's cutting edge industries.

Skills

Web Technologies

Elixir Phoenix, Ruby on Rails, NodeJs(Express, Koa), React/Next, Python(Django/Flask)

Languages

Elixir, Erlang, Typescript, Javascript, Io, Ruby, Python

Databases

Graphs(ArangoDB, Neo4j), Relational(PostgreSQL, SQLite, MySQL) NoSQL(MongoDB)

Technologies

Serverless, Firebase, Git, Trailblazer, JSON-API, GraphQL, Redux, Webpack, Jenkins, Docker, Heroku, CI/CD, CSS Post Processors

Portfolio

- Kaliningrad. Template Based Database Modeler Leveraging Power of ArangoDB Multi-Model Data Store
- Squash Reader. Modern, Federated, Collaborative RSS Reader.
- Ecto AQL. ArangoDB database migrations, custom Repo for Elixir/Phoenix
- Zuck Life. Social Media On Graphs with ArangoDB Foxx Microservices
- Foxx Typescript. ArangoDB Foxx Service Template with TypeScript & Yarn 2.0 Support
- Watch Party. Facebook's watch party like system for real-time video annotations(Phoenix channels, sockets)
- TCP Server. Elixir implementation of a TCP server using Erlang's gen_tcp library.
- Contributing to opens source libs: Arango DB, Squash