GURGEN HAYRAPETYAN

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FULL STACK SOFTWARE ENGINEER

Summary

SOFTWARE ENGINEER. writing secure, reliable code for distributed, fault-tolerant systems. Skilled in Graph Databases, Real-Time systems, Elixir/Phoenix, Erlang, Ruby on Rails, ReactJs, SvelteJs

Work experience

June 2019 - Present	**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 - 2021	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 Artificial Intelligence, Data Structures, Algorithmes, Cryptography, Blockchain, Decentralized systems, Cyber Security, 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/Redux/Next, Python(Django)

Languages

Elixir, Erlang, Ruby, Javascript, Python

Databases

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

Technologies

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

Portfolio

- Kaliningrad. GUI Based Database Modeler Leveraging Power of ArangoDB Multi-Model Data Store
- 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