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Senior Software Engineer

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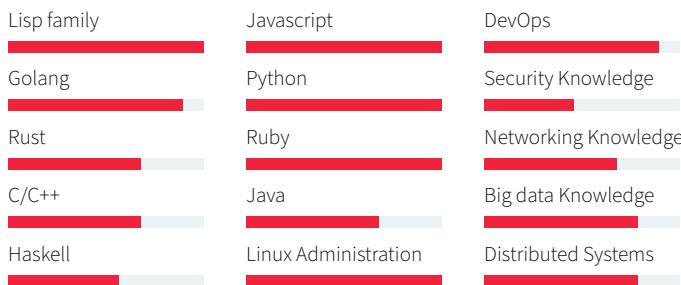 https://lxsameer.com

Summary

 I'm a software engineer by day and an amateur scientist by night. Who is passionate about learning cutting edge technologies, adventuring in the world of science, and who lives by his code of honor. I enjoy physics , mathematics , CS and am a firm believer in education.

I'm a huge free software fan, contributor and advocate. I am also a language enthusiast who has implemented a couple of languages and am currently working on a compiler in LLVM/MLIR for a typed lisp called Serene .

Richard Feynman once said *"What I cannot create, I do not understand"*, That wise quote summarizes my way of engineering. I love to learn and share my knowledge with others. In fact, I have about 6 years of experience in teaching CS and Linux. Also, I make and publish videos on my YouTube channel about my projects and researches to share what I learn with people.

I'm a team player who thrives in an environment that challenges me and provides opportunities for growth.

Skills

Lisp family	Javascript	DevOps
Golang	Python	Security Knowledge
Rust	Ruby	Networking Knowledge
C/C++	Java	Big data Knowledge
Haskell	Linux Administration	Distributed Systems

Projects

Serene Language

 Serene is a compiler that started as a research project and turned into a serious attempt to create a strongly typed Lisp . I'm using C++ , LLVM , and MLIR as the core technologies and I create videos about my progress as a way to share the experience with other people.

FG42

 FG42 is an editor/WM on top of GNU/Emacs that I started back in 2010 and to this day I keep working on it. FG42 is my main tool that I use it for everything. It has a small user community and few contributors.

Contributions

Linux Kernel, LLVM/Clang, ClojureScript, RubyOnRails, Debian, GNU, Pedestal, and many others.

Education

B.S in Civil Engineering (Azad University of Yazd)   *2005-2009*

Volunteer Works

Co-Organizer of:
- Karajlug (2008-2017)
- Clojure Ireland (2018-Present)
- Proud member of GNU project
- IrPyConf 2013, 2014
- KarajSFD (2010-2014)

Experience

Plex (Senior Staff Software Engineer)   *2022-Present*

 I am a one-man team in charge of our universal toolchain, the build process of our products and optimizing our toolchain. I'm in the process of migrating our llvm based toolchain and dependencies from a painful Conan-based workflow to a to Nix based robust workflow that is going to eliminate a ton of hacky code.
I use LLVM , Clang , Conan , Nix , python and C++ on a daily basis.

Udemy (Senior Staff Software Engineer)   *2018-2022*

 I played a key role in delivering the most important UFB project in its lifetime (since 2015) which is the LearningPaths that was a huge success. Then moved to SRE/Build team to improve the efficiency of our services and development environments. I had to write native components to speed things up. We are using Python , Golang , Docker , C/C++ , Rust , AWS , K8s , RabbitMQ , Kafka , MySQL , Cassandra .

PageFair (Senior Software Engineer)   *2017-2018*

 Successfully developed and maintained a very large scale and complex add exchange system with more than 200 components that used to serve about a billion request per second using technologies like NodeJS , Scala , Docker , AWS , Promethus , Python , Django , PostgreSQL , RabbitMQ .

Buzzjective (Senior Software Engineer)   *2014-2017*

 Worked on a face to face identification service based on Germany called identity.tm that is in used by many banks and financial institutes. We used RubyOnRails , AngularJS , PostgreSQL , Websocket , WebRTC , Docker .

Yellowen (Senior Software Engineer)   *2010-2014*

 During my long journey at Yellow I learned lots of fascinating things and hit many amazing milestones. I started as an intern and became a leader. I participated and lead many projects at Yellowen and worked with many talented people. I Successfully developed and managed several large scale web, mobile, and IoT projects using RubyonRails , Clojure , Python/Django , C/C++ , MongoDB , PostgreSQL , Riak , Redis , ElasticSearch , Fluentd , Cassandra , Javascript . The main focus of my team was to do R&D and build new technologies.

Bayan (Senior Software Engineer)   *2009-2010*

 Worked on a large scale Python/Django SSO which is the beating heart of Bayan services. It was a SaaS application way ahead of its time. We used MongoDB , Python , Django , Celery , Memcached , PostgreSQL .

Yellowen (Junior Software Engineer)   *2005-2009*

 I started as an intern and soon got hired as a junior and mostly worked on a GIS software along side a huge automation software which ran on 3000 school all over the country. We used: Python/Django , C++/Qt , PostGIS , PostgreSQL .

Awards

 3rd place of the national CS Olympia   *2003*

References

 https://lxsameer.com
 https://www.linkedin.com/in/lxsameer/
 https://devheroes.codes/lxsameer
 https://devheroes.codes/Serene
 https://github.com/lxsameer (I'm not using github anymore)
 https://devheroes.codes/lxsameer/CV (Yes! My CV is opensource)