



Sameer Rahmani

Senior Software Engineer

Dublin, Ireland
 +353 85 8559285
lxsameer@lxsameer.com
<https://lxsameer.com>

Summary

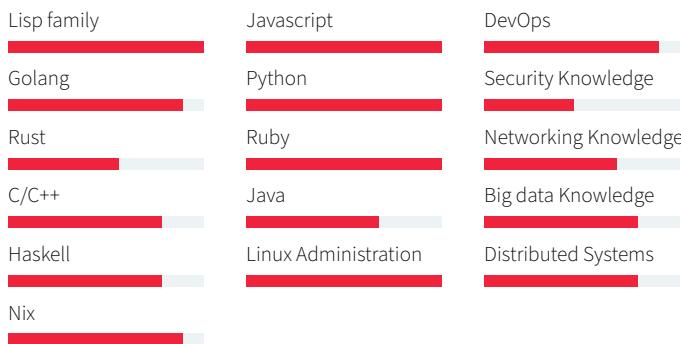
I'm a software engineer by day and an amateur scientist by night. Who is passionate about learning cutting edge technologies, adventuring in the world of science, and who lives by his [code of honor](#). I enjoy [physics](#) , [mathematics](#) , [CS](#) and am a firm believer in education.

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 dependently 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



Projects

[Serene](#) Language

Serene is a compiler that started as a research project and turned into a serious attempt to create a strongly, dependent typed [Lisp](#) . I'm using [C](#) , [OCaml](#) , [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](#) , and [Nix](#) 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.

For more project visit <https://lxsameer.com>

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 [Ivm](#) based toolchain and dependencies from a painful [Conan](#) -based workflow to a to a [Nix](#) based robust workflow that is going to eliminate a ton of hacky code.

I use [LLVM](#) , [Clang](#) , [Conan](#) , [Nix](#) , [Haskell](#) , [python](#) , [OCaml](#) 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](#) , [Prometheus](#) , [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 Yellowen 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://git.sr.ht/lxsameer/>

<https://sr.ht/lxsameer/Serene/>

<https://github.com/lxsameer> (I'm not using github anymore)

<https://www.youtube.com/c/lxsameer>

<https://git.sr.ht/lxsameer/cv> (Yes! My CV is opensource)