Sameer Rahmani
Senior Software Engineer

◉ Dublin, Ireland
✉ lxsameer@gnu.org
☏ +353 85 855 92 85
🔗 http://lxsameer.com

PERSONAL STATEMENT

I'm an expert full stack software engineer, who is passinate about learning cutiing edge technologies and advanturing in the world of science. A Huge FreeSoftware fan, contributor and advocate.

I'm a big data/distributed systems researcher who done several implementation using tools like: Clojure, Kafka, Zookeeper, Mesos, Onyx, Cassandra and some other fantastic tools.

I'm a language enthusiastic who implemented couple of languages and have neck for implementing fine grain concurrency at low leve.

EXPERIENCES

Here is a brief summary of my career. For a detailed summary, please checkout the second page.

2018- present
Udemy
Senior Software Engineer

Played a key role in delivering the most important UFB project in its lifetime (since 2015) which is the LearningPaths and moved to SRE/Build team to improve the effeciency of our services and development environments. We are using Python/Django, Docker, AWS, K8s, Mesos, RabbitMQ, Kafka, Redshift, MySQL, Cassandra, C/Rust and ...

2017- 2018
PageFair
Senior Software Engineer

Successfully developed and maintained a very large scale and complex system of several components using technologies like NodeJS, Scala, Docker, AWS, Promethus, Python, Django, PostgreSQL, RabbitMQ and ...

2014 - 2017
Buzzjective
Senior Software Engineer

Worked on a face to face identification service based on Germany called identity.tm . We used RubyOnRails, AngularJS, PostgreSQL, Websocket, WebRTC, Docker and ...

2010 -2014
Yellowen
Senior Software Engineer

Successfully developed and managed serveral large scale web and mobile projects Using RubyonRails, Clojure, Python/Django, MongoDB, PostgreSQL, Riak, Redis, ElasticSearch, Fluentd, Cassandra, Javascript and . . .

2009 - 2010
Bayan
Senior Software Engineer

Worked on a large scale Python/Django SSO which is the beating heart of Bayan services. We used MongoDB, Python, Django, Celery, Memcached, PostgreSQL and ...

2005 - 2009
Yellowen
Junior Developer

I 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, Qt, PostGIS, PostgreSQL and ...

QUICK FACTS

15 Years of experience in software development

31 Successful projects Freelancer

SKILLS

Skill	Level		Skill	Level
Ruby	●●●●●		Team play	●●●●●
Python	●●●●●		Linux Administration	●●●●●
Clojure	●●●●●		Networking	●●●●○
Go	●●○○○		Security knowledge	●●○○○
Haskell	●●●○○		DevOps	●●●●○
Javascript	●●●●●		Big Data knowledge	●●●●○
C/C++	●●●○○		Persian	NATIVE
Scheme	●●●●●		English	FLUENT
CLisp	●●●●●		Japanese	BASIC

AWARDS

3rd place of national Computer Olympia
2003

Noticable FOSS PROJECTS

HellHound (http://hellhound.io)

FG42 (http://gitlab.com/FG42/FG42)

Serene (https://gitlab.com/serene-lang/)

Enma (https://gitlab.com/FG42/Enma)

Basilisk (https://gitlab.com/Codamic/basilisk)

Faalis (https://github.com/Yellowen/Faalis)

OPEN SOURCE CONTRIBUTIONS

Linux Kernel, Clojurescript, Rails, ReactNative, Debian, GNU, Emacs, Pedestal, Ole and many others.

EDUCATION

2005 - 2009
Bachlor's degree in Civil Engineering
Islamic Azad University

TECHNOLOGIES I USE

Clojure, ClojureScript, Onyx, Kafka, RabbitMQ, Cassandra, Apache Mesos, Rust, C, GraalVM, Ruby, Python, MongoDB, PostgreSQL, Cassandra, rethinkDB, Neo4J, ArangoDB, Docker, re-frame.

REFERENCES & PORTFOLIO

● http://lxsameer.com/

● http://gitlab.com/lxsameer

● https://www.linkedin.com/in/lxsameer/

Objective:

I'm always looking forward to learn more and improve my knowledge and skills. One of the joys in my life is to float in the endless world of science and knowledge. There was no day in my life that I didn't learn anything new. I'd like to challenge myself with using my knowledge to create new tools or invent new stuff which people shall use and remember me by. Obtaining a job position which allow me to take pleasure from working is my main professional life goal.

I value the academic effort and I'd like to read research papers and go extreme on the edge of computer science. I try to use those researches at my work. I have neck for databases and low level concurrency implementations. One of my goals is to use my own ideas and the knowledge I gain from my interactions with the academic world to implement a distributed triple store style database. I enjoy challenging myself with such tough challenges that help me improve my skills.

Experience:

Senior software engineer at Udemy (2018 – present)

I was part of several big projects at Udemy including the biggest one in the history of UFB (Learning Paths) which was a huge success. I played key role at that team. I've replaced an old and poorly designed server with an implementation which that I had to rewrite because I found a 4 years old bug in the previous system that could've cost us a lot of money. Then I moved to the SRE/Build team in order to make our services, infrastructure and development environments better. I'm using technologies like: Python, Javascript, Kafka, MySQL, Kubernetes, Redshift, Redis, Memcached, Celery, C/C++, Rust and … at work.

Senior software engineer at PageFair (2017 – 2018)

I was working on an digital advertisement platform and exchange which is quite large and pretty complicated. We were a team of 6 developers which were working on increasing inventory supplement across the platform. We were using several NodeJS micro services and a client side Javascript application which is quite complicated. Our traffic was an accumulation of the traffic our customers and we had to be able to write tools that have the ability to scale instantly with the growth of our customers. We used to use Scala and Python for majority of our services and PostgreSQL as the storage and RabbitMQ as the distributed queue.

Senior software engineer at Buzzjective (2014 – 2017)

I worked on a project dedicated to p2p video identification. We were using bunch of cool cutting edge technologies to create scalable, durable and high performance software which delivers several new features every day. Availability was the most important element in our day to day basis. We were using technologies like: AngularJS, RubyOnRails, PostgreSQL, Real time communication over websocket, P2P video streaming via WebRTC and lots of other awesome stuff.

Junior/Senior software engineer in Yellowen (2005 – 2014)

During my long journey at Yellown 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. We

have created and launched tons of products from web to mobile application, software automation and backend as a service products.

   I was responsible to design and develop high performance and scalable web application from scratch and I managed to create several reliable services by taking advantage of free and open source software which was a big success. Technologies like Apache Kafka, Cassandra, MongoDB, Memcachd, Jboss, ActiveMQ, Python, Ruby, Clojure and many other technologies.

   Back in the early days of my work at Yellowen I was a member of web development team that were working on school automation and management software for the ministry of education which ran on about 3000 schools across the country.

   As result of a Yellowen strategy to use and develop free software there is a long list of free software we developed in Yellowen which I'm proud of.

Senior software engineer at Bayan co (2009-2010)

   I was a member of Python Web Development team and was working on HOD email service and blog.ir project. I was responsible for creating a reliable, scalable and distributed key/value storage for our services, including HOD the national email service and blog.ir. Also, I've created the beating heart of all the Bayan services which was the central authentication and authorization service. We were using Python, Django, Celery, PostgreSQL, Twisted and other technologies.

5 years experience in teaching GNU/Linux and Programming in Aptech and

Tehran Institute of Technology.

Activities:

- Proud member and maintainer of GNU project

- Member of Debian GNU/Linux Python and Emacs team

- Proud member of Karaj Linux users group. (Karajlug.org)

- Co-organizer of Clojure Ireland

- Co-founder of IranOnRails ruby users group. (First Iranian RUG)

- One of the members of IrPycon 2013-14 organizers team.

- One of the members of KFSC 2010, 2011, 2012, 2013, 2014 organizers team.

- Many lectures and technical talks in international level conferences.

Projects:

   I let my work to speak for itself. Here are some of my open source projects or those which I participated in:

HellHound (http://hellhound.io)

Hellhound is a set of tools to create scalable and elegant applications. It provides high level abstractions to create our business logic in a way that decouples the logic from workflow and execution. Basically we can create a "System" of "components" which each of them holds its own state and logic. Each component has an input and output abstract stream and the system pipes them together based on the workflow and executes the pipeline based on an execution model that provided by Hellhound.

FG42 (http://gitlab.com/FG42/FG42)

Ultimate Emacs based IDE for true believers. An Emacs bundle and framework which is an IDE like editor, for Emacs gurus to help them bring their productivity to the next level. FG42 is not just a bundle like Spacemacs. We've created an amazing pluggable feature/extension management system, a build tool and package manager which we've extracted from the core source tree and released it separately (which is called Enma http://gitlab.com/FG42/enma/) and many other extension and tools that was missing for our workflow.

Serene (http://gitlab.com/serene-lang)

Serene is an attempt to implement the same dialect of Lisp using in different platform and different shapes. So far I've implemented the "simple" version which work on the JVM and the lambda version which again works on the JVM but doesn't have anything beside functions, invocation and name binding (not even numbers) as a challenge to myself to implement the rest of a language using only Lambda Calculus. At the moment I'm working on an Serene implementation on top of Truffle and GraalVM.

Faalis (http://github.com/Yellowen/Faalis)

It is well tuned platform to create web applications as fast as possible. It is built on top of other quality tools, and provides additional features like a robust dashboard, pre-baked authentication and authorization and other cool stuff.

Interests:

- KyoKushin karate. I'm a first dan black belt holder.

- Watching anime

- Playing guitar.

- Playing video games. I'm a huge gamer with a neck for hard games like DS series.

References:

http://www.lxsameer.com

http://gitlab.com/lxsameer

http://gitlab.com/Codamic

https://github.com/Yellowen

https://www.linkedin.com/in/lxsameer/