Amit Khivesara

Khivi

📱 *(908) 578 8182*
✉ *khivi@mac.com*
🌐 *khivi.com*

Summary

Programmer with 20 years of experience building high quality software. I have been instrumental in taking a number of startups to the next stage in their journey. Over the years I have evangelized agile methodologies within organizations.

Philosophy

Embrace Change	Change is inevitable	Be Lazy	Do more with less
Open Intent	Share before, not after	Roughly Right	Perfection is a myth
Be Inquisitive	Listen, Learn, Contribute	Feedback	Help product improve
Outsource	Make oneself redundant	Measure Failure	Success travels easily

Computer Skills

Recent	Scala, Bash, Ansible	Past	C/C++, Java, Kernel
Dabble	JavaScript, CSS, PHP	Tools	Git, Continuous Integration
Passable	Perl, Python, Ruby	Platforms	Linux, FreeBSD, Unix

Management Skills

Communications	Open	Productivity	Extreme Programming
Mentor	Individuals	Process	Continuous Learning
Manage	Distributed Teams	Hands-on	Programming

Experience

2016–Present **Head of Engineering**, *Emissary.io*, New York City, NY.

Emissary is a platform connecting sales professionals with former executives who have specific knowledge about their important sales targets.

Technologies: *Google App Engine, Python, Bash, Angular*

- Transformed processes to an agile development methodology
- Hardened application security in *Python* web application
- Developed a testing framework using *Docker*

2016–Present **Technical Advisor**, *Verne Global*.

2016–2016 **Technical Advisor**, *Netcore Solutions*, Mumbai, India.

2014–2016 **Head of Engineering**, *Betterpath*, New York City, NY.

Betterpath is a data driven health care startup focused on improving care for patients. I lead an engineering distributed engineering team. Hands-on programmer on software stack.

Technologies: *Linux, Scala, Bash, Datomic, Ansible*

- Built *Play!* server and document analysis micro-services using *Scala*
- Setup outsourced QA team in Ukraine
- Designed and built infrastructure for deployment using *Ansible*

2012–2013 **Senior Software Engineer**, *Konnect2*, Madison, NJ.

Konnect2 is a financial services firm specializing in providing structured data exchange and algorithms for the global bond market. As one of the company's first employees, I took the product from an idea to deployment.

Technologies: *Linux, Scala, Play!, Postgres, Ansible*

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- Built feed handlers for *TRACE*, Bond Runs in *Scala*
- Scaled infrastructure using *Scala* actors allowed to easily scale as we added more data streams
- Built server orchestration scripts using *Ansible*

2008–2012 **Technical Lead**, *Mesh Capital*, Jersey City, NJ.

Mesh Capital is a quantitative trading firm specializing in fully automated trading strategies. As the company's first employee I wrote software that traded propriety capital in the US and Canadian equities markets.

Technologies: *Linux, Java, Ruby*

- Doubled daily trading volume by adapting strategy to dark pools
- Solely responsible for development of platform (market data handlers and order routers) for Canada cash equities market.
- Responsible for back office scripts for reconciliation of executions, commissions and cash flow with brokers. Implemented in *Ruby* and *Java*

2005–2008 **Technical Lead**, *Roundbox*, Florham Park, NJ.

Roundbox developed infrastructure to support mobile broadcast environments. I lead the distributed engineering team responsible for our server offerings.

Technologies: *Linux, C++, ACE, Perl*

- Primarily responsible for building the world's first server to support multiple broadcast standards for TV service guides. The server was built with *C++* and *Java*
- Responsible for certification of server for evolving service guide standards (*OMA*, *CBMS*)
- Developed *ETL* tools to ingest TV schedule data

2002–2005	**Senior Software Engineering**, *Xebeo Communications*, Iselin, NJ.
	Xebeo was a successful company that built a high-speed carrier-grade MPLS router. UTStarcom bought Xebeo in May, 2003. I was part of the software team and contributed to the platform and protocol systems.
Technologies:	*FreeBSD, C, Python, Bash*

- Built the configuration and system datastore in *C*
- Built custom allocators to reduce memory footprint
- Worked on the test automation framework implemented in *Bash*, *Expect* and *Python*

1996–2002	**Member of Technical Staff**, *Bell Labs, Lucent Technologies*, Murray Hill, NJ.
	DataBlitz is a high-performance,*ACID*, main-memory database system. I took this project from a research prototype to worldwide deployment by Lucent within its flagship telecommunication products.
Technologies:	*Solaris, C++, Tcl, Ksh*

- Built high-performance persistent and concurrent index structures
- Primarily responsible for the relational API and SQL engines
- Built and maintained automated testing infrastructure using *Tcl*

Education

1994–1996	**MTech**, *Indian Institute of Technology*, Bombay, India.
	Masters in Computer Science and Engineering
1990–1994	**BTech**, *Indian Institute of Technology*, Bombay, India.
	Bachelors in Computer Science and Engineering

Awards and Achievements

1999	**Awarded**, *Bell Labs*, Murray Hill, NJ.
	Bell Labs President's Silver Award
1994	**Academic Distinction**, *GATE, 1994*.
	All India Rank 9
1990	**Academic Distinction**, *IIT JEE, 1990*.
	All India Rank 28

Publications

2015	**Culture Seeds: Process, People and Companies**.
	Book available at `http://a.co/i1uqz2A`

Interests

Privacy	Technology and Society	Music	The Doors
Travel	Small town America	Enjoy	Bourbon
Film	Documentaries	Food	Korean