

# Amit Khivesara

Khivi

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

## Summary

Technical leader 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*

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

- 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**, *Xeboo Communications*, Iselin, NJ.

Xeboo was a successful company that built a high-speed carrier-grade MPLS router. UTStarcom bought Xeboo 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

Travel Small town America

Film Documentaries

Music The Doors

Enjoy Bourbon

Food Korean