Nilesh Trivedi

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SUMMARY

I have built high-tech products and built & led engineering and product teams for more than 12 years. After MBA, I co-founded a B2B product company with a social CRM app. I helped build and scale GupShup's enterprise messaging platform. As CTO at Truweight, I integrated all technological pieces of a fast moving consumer tech business into a cohesive, agile whole. At HyperTrack, I led the re-architecure of their real-time device geolocation infrastructure from a monolithic app to a scalable microservices-based architecture. With an IIT and IIM background, I am also a hands-on expert at full-stack development including the cutting-edge in machine-learning, hardware, and blockchain.

WORK EXPERIENCE

HyperTrack   Jan 2018 — Sep 2018
Principal Engineer

- Led the re-architecture of HyperTrack's real-time device geo-location infrastructure. Migrated from a monolith to scalable microservices-based architecture.
- *Tech Used: Python, Go, Javascript, gRPC, AWS, Apollo React, Android, iOS*

Truweight, Bangalore   2015 — 2017
CTO

- Built an in-house team delivering native mobile apps and a scalable backend for healthtech product
- Built a fully-automated lead generation-conversion pipeline (include home visits and physical delivery of products) by integrating many different systems (LeadSquared, Unbounce, Vymo, Locus, LiveChat, Telephony)
- Built an in-house platform for optimally scheduling home visits across India to increase revenues
- Took up additional responsibility as product manager
- *Tech used: Ruby, Java, Rails, Play framework, Heroku, Android, iOS, Digital Ocean*

Independent   2013 — 2015
Consulting Engineer

- Engineering for tech startups from web / mobile apps to hardware, electronics, computer vision and machine learning
- Built algorithmic trading systems and a web-based workbench for backtesting (https://qplum.co). Tech used: *Ruby, Rails, Javascript, Python, AWS, Docker, Redis and Discourse*
- Built an interactive physics simulation engine using Javascript and Canvas APIs. Presented at JSFoo: https://hasgeek.tv/jsfoo/2013-2/688-interactive-physics-simulation-in-the-browser-what-i-learned *Tech used: Physics, Javascript, Canvas APIs and Ruby*
- Advised a smart home appliance startup (http://zapati.in : Automatic, portable, Roti-making machine). *Tech used: Arduino, OpenCV, AVR, Mechatronics*

GupShup (earlier Webaroo),   2009 — 2013
Bombay
Lead Software Engineer & Product Manager

- Built and launched multiple web applications for Enterprise SMSGupShup serving

thousands of customers and delivering billions of messages per month: http://enterprise.smsgupshup.com/
- Built tools for improving internal processes including analytics and customer support
- Development for GupShup's Android app
- Growth marketing with analytics and optimization of ad campaigns
- *Tech used: Ruby, Rails, Java, JRuby, Android, Javascript*

Lattice Purple Technologies, Noida   2008 — 2009
Co-Founder & CTO

- Built and launched a social CRM app - YouSuggest.us
- Successfully sold it to Indian media enterprises but failed to optimize the sales process in time
- Built a dynamic and interactive trip-planning app using Javascript and Google Maps APIs
- *Tech used: Ruby, Rails, and Javascript*

HeadStrong, Bangalore   2003 — 2006
Senior Associate

- Delivered multiple releases for Nuance Voice Platform: https://www.nuance.com/
- Developed a number of speech-recognition applications using VoiceXML
- *Tech used: Java, J2EE, VoiceXML*

OPEN SOURCE
- Indium.Network: A permissioned public blockchain for developers: https://indium.network/
- Contributor to Ethereum Core, BigchainDB, IPDB etc.
- Interactive real-time physics simulation engine for the Web: https://bitbucket.org/nileshtrivedi/physics
- BigChainDB Ruby client: https://github.com/nileshtrivedi/bigchaindb-ruby-client
- RbFNV - FNV Hash for Ruby: https://github.com/nileshtrivedi/rbfnv
- LiveCoding environment concept for JavaScript: https://github.com/nileshtrivedi/livecoding_js_demo
- Ruby wrapper for Gupshup APIs: https://github.com/nileshtrivedi/gupshup
- A framework for building SMS-based chatbots: https://github.com/nileshtrivedi/smsapp

QUALIFICATIONS Sun Certified Java Programmer - 2005
Scored 100.0% in Coursera's Machine Learning class - 2013

EDUCATION
MBA (Marketing)   2006 — 2008
IIM Lucknow

B.Tech. (AeroSpace Engineering)   1999 — 2003
IIT Kharagpur

INTERESTS Programming for fun, making music, reading non-fiction and learning mathematics. Over the years, I have presented at conferences like Incrypt, BarCamp, RubyConf, JSFoo, Makerfest etc.
- Homepage: https://www.nileshtrivedi.com/

I also take great delight in teaching young people - adults and children alike.

REFERENCES Vishnu Saraf, CEO, Truweight (I reported to him when I was CTO at Truweight)
Email: sarafvishnu@gmail.com

Viswanath Ramachandran, Founder, Hippily (I reported to him when he was CTO at Webaroo)
Email: viswanath.ramachandran@gmail.com

Tathagata Mitra, COO, Coverfox (I worked with him when he was Director of Products at Webaroo)
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