Santosh Kumar
Email: santosh79@gmail.com
Phone: (781) 460 - 1561
Tech Blog: https://medium.com/@_santosh_
LinkedIn: https://www.linkedin.com/in/santosh2013
Github: @santosh79

Profile: Seasoned Engineer
Seasoned Engineer with a proven track-record of executing successful projects and fostering an environment of ownership and excellence.

Technical ToolBox:
Languages: Javascript, Golang, Ruby, Java, Elixir, Clojure, Scala, Objective-C, C/C++
Blockchains: Hyperledger Fabric, Ethereum, Bitcoin Core, CryptoNote/Monero
DBs: Postgres, MySql, Oracle, Redis, CouchDB, MongoDB
Frameworks: MeteorJS, Rails, NodeJS, Spring
OSes: Linux, Mac OSX, Windows

Work Experience:

Cisco Inc. Aug 2017 - till Date
Technical Leader, Blockchain Initiative, Corporate Strategy Innovation Group

As a Technical Leader, I owned core components of Cisco's planned smart contract execution platform.

Responsibilities:
- Manage a team of 5 engineers working on the backend of the product.
- Architect core components and modules using modern system languages - Golang, Nodejs and Java
- Work on integrating modular consensus mechanisms - Paxos (Kafka) and Raft as plug-and-play modules in the offering.
- Responsible for communicating deliverables as well as drive the project plan towards execution

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Coinbase Inc. June 2015 - Aug 2017
Sr. Software Engineer/Lead - Payments Team

As a software lead in Coinbase's payments team my team owned critical pieces of the infrastructure including - third party integrations with various world-wide banks and the Market Hedging and risk modules.

Responsibilities:
- Own and maintain operational excellence in business critical modules that drive Coinbase's core infrastructure.
- Responsible for the payments team comprising of 5+ engineers, many of whom were distributed around the world.
- Worked with the Machine Learning team on implementing a hedging strategy that generated over 12M+ in increased revenue.
- Handled numerous complex modules that worked with various assets both on and

off the blockchain.
- Responsible for owning and maintaining the deliverables of key pieces of Coinbase's back-end infrastructure.
- Manage and mentor engineers.
- Help with recruiting, interviewing and retaining talent

Freelance. March 2013 - June 2015
Software Consultant/Adviser
During my time as a freelance engineer I had the opportunity to work with and advise a bunch of startups on how best to build, scale and deploy their products.

Responsibilities:
- Help clients move to an agile system of building software using extreme programming tools such as - Daily stand ups, Test Driven Development, Weekly sprints etc.
- Help engineers adopt good practises of software engineering, such as, Pair Programming, Test Driven Development and frequent deployments.
- Tons of hands on coding in various programming languages - Javascript (NodeJS & front-end frameworks), Ruby (Rails), Go, Python, Clojure, Java, C/C++.

Rabbit TV. Sep 2010 - March 2013
Product Engineer
Rabbit TV (http://www.rabb.it/) is a social media/productivity software, that is packaged as a Mac App. At Rabbit, I built most of the back-end services for powering all of the Audio/Video communication. Most of this stack was built on NodeJS and the emphasis was on speed with miminal latency.

Responsibilities:

- Built out all of the server backend stack on NodeJS running on multiple AWS instances.
- Worked heavily and built the audio/video encoding/decoding & networking layer using RTP, RTSP, h.264
- Constructed an amazing front-end, thick client mac app using Objective-C and OpenGL, to deliver incredible visual appeal with minimal performance penalty.
- Responsible for deploying and maintaining the state of the backend stack on AWS.

Manilla Inc. Feb 2007 - Sep. 2010
Technology Architect
Manilla https://www.manilla.com/ is an online bill aggregation utility that lets users have access to all of their bill providers in one clean, manageable place. At Manilla, I worked as a full-stack engineer doing both client-side and server-side engineering.

Responsibilities:
- Built out most of the web app along with a team of engineers, using Ruby on Rails & JQuery.
- Manage and mentor junior engineers in an extremely hands-on setting using TDD,

pair programming, daily standups and other agile tools.

<u>Software Consultant.</u> September 2004 – February 2007
I worked as a technology consultant for EZ Solutions Inc. from September 2004 – February 2007.

<u>Education</u>
- Bachelor of Science Computer Engineering, Old Dominion University, Norfolk, VA, Graduation: May 2002
- Master of Science, Computer Science, Old Dominion University, Aug 2002 - Sep 2004