

NARENDRA ALLAM

CONTACT

ENGINEERING MANAGER

Product Manager: truequalify.com

IP: [Patent] Decentralized Financial Intelligence,

Australian Patent No: 2018100566.

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PROFESSIONAL SUMMARY

Passionate software Programmer/architect, IT Leader and Mentor. Extensive experience in designing and scaling applications for millions of transactions and high work loads. Having 13+ years of product development experience with agile processes, including 3 years of leadership experience, leading a 20 member team. And capable of handling various types of business problems with the knowledge of versatile domains – EdTech (Education), Banking, Embedded, Video, Audio, Music, and Computational Linguists.

CAPABILITIES

TECHNICAL

- Strong in Python, C/C ++, Java, C#, Golang, Angular, Flutter, Django, Flask & node Technology stacks with boost, STL, pandas, numpy, seaborn libraries
- Strong in Object Oriented Programming (OOPS), Concurrency (Multi-threading), Networking (Socket Programming), System Design, Algorithms & Data Structures
- Experience with SQL (MySQL, MSSQL) and NoSQL(MongoDB, Memcached, Neo4J)
- Experience in designing architecture for high-quality cloud-based solutions with agile.
- Hands on Linux, Mac OS and Windows, Cloud platforms (AWS, Google)
- Having experience in distributed computing with, Docker, Kubernetes, Kafka, Web-API (REST, Web sockets, GraphQL) with SOA & Micro-service Architectures.
- Experience in CI/CD production pipelines with github and configuration management tools.
- Worked on AI & Machine Learning problems
- Block-chain Development (hyper-ledger)

LEADERSHIP

- Working in a Technology leadership role for an EdTech startup.
- Building High-Performance Teams & Managing.
- Working with multiple stakeholders, strategic planning, and delivery.
- Identifying and addressing problems and opportunities for the Product/company.
- Aligning the team's commitments with organizational strategic directions.

EMPLOYMENT HISTORY

ENGINEERING MANAGER, ROSSUM COMPUTING PVT LTD

Since March 2018

- Designed, Developed and Delivered the product truequalify.com. (eLearning platform)
- Built a High-Performance Team & Managed 20 people.
- Hands-on Development in all crucial modules.

SENIOR ANALYST, BANK OF AMERICA

Feb 2015 - Mar 2018

- Designed and Developed Distributed Applications. and services, Led a team of 7 people.
- Received 3 Platinum, 2 Gold, 1 silver, 2 bronze and many more appreciations from Bank of America.

SENIOR SOFTWARE ENGINEER, CISCO

May 2012 - Jan 2015

- Part of Cable Head-End team.
- Developed Bandwidth Compressor Tool.

SDE II, MICROSOFT R&D

Feb 2009 - Apr 2012

- Part of Indic Language Input Tool (ILIT) Team.
- Did Hindi text-to-speech prototype with English phone-ems.

ASSISTANT SYSTEMS ENGINEER, TCS

Oct 2007 - Jan 2009

- Part of Bang & Olufsen Team.
- Developed Remote Simulation Tools.

ACADEMIC PROFILE

- MASTERS IN COMPUTER APPLICATIONS, **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, CAMPUS, 2007.**
- STATE **89th** RANK IN THE ENTRANCE OVER 3.7 LAC CANDIDATES..
- BSC (ELECTRONICS & COMPUTER SCIENCE), **ANDHRA UNIVERSITY, 2004.**

PROJECTS

Project 1: TrueQualify.com, (Rossum Computing, Since 2018 Feb)

Description: Single Platform for eLearning, Training, Evaluation, Hiring, Verification & Content Development.

Technology: Python, C++, Django, Flask, Docker, Kubernetes, Machine Learning, Go, Angular, Neo4j, AWS, GCP, Hyper-ledger

Key Contributions: Architecting and building the eLearning platform. .

Project 2: Envoy trading system.(Bank of America, 2015 - 2018)

Received 3 Platinum, 2 Gold, 1 silver, 2 bronze and many more appreciations from Bank of America in one year

Technology: Python, Django, C++, PyCharm, Kafka, Docker, Kubernetes, Quartz Development Tools

Description: Envoy trading system is a trade capturing system which was a result of integrating all the functionalities of 3rd party trading systems GBS, SUMMIT, BTM, Sierra which were acquired by Bank of America. To stabilize envoy trading system, reconciliations are performed daily basis and hourly basis, on double-booked data. End-to-end testing performed by reverse booking for few systems. Inter Company Loans, Trade data analysis,

Key Contributions:

- Developed an algorithm for credit limit checks which reduced the manual effort by 80%.
- Developed Support console - One-Stop-Shop for all support activities, reduces 70% manual effort.
- Developed Bulk Uploader tool - An automation for manual term-sheet adjustments.
- Developed Custom Error Logger - data base persistent error logger library, widely adopted across teams.
- Taken care of implementing Code Quality Compliance for envoy code base.

Project 3: Cable head-end network system.(CISCO, 2012 - 2015)

Technology: C++, Python, Solaris, RPC, Linux, Boost, REST Web-Services using gSOAP.

Description: Cable head-end network system is customer management, channel subscription and billing system for television video broadcasting companies like COMCAST and COX. Customer package subscriptions and billing information is broadcasted using CISCO technologies.30 Million set-top boxes are being managed by this project.

Key Contributions:

- Developed a delay-calculator tool, which helps the developers to fine tune the through put.
- Developed a gaming pattern algorithm for bandwidth smoothening.
- Did porting C++ API from Solaris to Linux.
- Identified potential enhancements and improved existing design

Project 4: Indic Language Input Tool (Transliteration)(Microsoft, 2009- 2012)

Technology: C++, C#.net, AJAX, REST Web-services, Windows

Description: Indic Language Input Tool (ILIT) is a transliteration tool, which transliterates english sounding to ten target Indian languages, same as google input tools. It uses a rule based transliteration engine. Available as web service and desktop tool. Desktop version is tightly integrated with ms-office. This tool is currently hosted by bhashaindia.com.

Key Contributions:

- Scaling ILIT Application for heavy loads, improved performance by doing few optimisations.
- Did Hindi text-to-speech prototype with english phone-ems using existing windows speech API.
- Developed file transliteration web service, through which we can transliterate entire file at a time.

Project 5: Bang & Olufsen, Denmark. (TCS, 2007 - 2009)

Description: Beo6 is bang-olufsen's flagship remote controller, which controls all bang-olufsen products. Beo6 hard-ware is most advanced in all the ways. It's a touch sensitive device. The device gets activated when user touches the device. Play lists of CD/DVDs are browsable from beo6 screen. Beo6 is having all the wireless technologies in it, Wi-Fi, Bluetooth and Infrared. Device specs are too advanced by the time of 2007.

Technology: C/C++, Python, STL, Boost, Embedded Linux.

Key Contributions:

Developed Multi Format File Parser API to Beo6 , other embedded devices and audio servers.

Developed a tool to simulate Beo5, which reduced 50% effort develop Beo6.

Developed QoS for embedded devices on the Ethernet.