

Engineering Director with expertise in engineering leadership, people management, full stack software development, product management, technical recruiting, and machine learning.

Early/founding employee at multiple venture and accelerator funded startups and have work experience in the USA, Canada, and India. My experience spans companies doing manufacturing IOT analytics and machine learning (Acerta Systems Analytics, Muse Wearables) and most recently, have built and managed large teams working on enterprise AI platforms (CognitiveScale, Inc).

Do you need a capable engineering leader that can build and manage teams which turn ideas dependent on machine learning or data into software products that can scale to millions of users? Let's talk! Setup some time on my Calendly

WORK EXPERIENCE

December 2022

December 2020

Director of Engineering, COGNITIVESCALE, Inc, Hyderabad, India

- > Managed and led the Engineering and QA, (briefly, SRE) teams for the India division of CognitiveScale, Inc.
- > Mentor and guide all engineers (14 direct, 6 indirect reports) with their career goals, technical objectives and personal growth through regular bi-weekly 1:1s
- > Determine product development priorities, plan development timelines along with Chief Engineers and VPs from the Austin, TX HQ for Cortex Certifai and Cortex Fabric
- > Work closely with partners, RedHat, AWS, GCP, and Azure to ensure our product is available on all major cloud marketplaces
- > Manage all hiring related activities for the Product Engineering team including hiring policies, interview guidelines, candidate selection, and new employee onboarding
- > Work closely with the GM and MD in India to determine Company policies, design company culture and fit guidelines and generally ensure employee retention and satisfaction

Kubernetes CI/CD DevOps AWS Azure Google Cloud Redhat OpenShift Product Roadmaps Machine Learning
People Management Mentoring Technical Hiring Project Management

November 2020

November 2018

Sr. Technical Lead , COGNITIVESCALE, INC, Hyderabad, India

- > Help customers integrate their models into Cortex Certifai to determine AI business risk wrt to bias, fairness, explainability, robustness, and regulatory compliance measures
- > Instrumented conversational bots with Natural Language Understanding and Dialogue prediction
- > Designed and managed development for a proprietary data labelling and annotation tool for NLP applications

Python Docker Product Roadmaps Machine Learning Deployment Automation Natural Language Processing
Anomaly Detection

November 2018

April 2018

Vice President - Software, MUSE WEARABLES, Bangalore, India

- > Recruited and formed the entire software team including Front-end Engineers, Backend Engineers and Android/iOS engineers.
- > Collaborated with the Product head to develop UI/UX ideas, feature development and market research
- > Helped optimise our crowdfunding campaigns and secured over \$140,000 worth of pre-orders for our hybrid smartwatches
- > Designed and lead the development of a bot based user coaching/engagement platform for personal health, fitness and finance

Product Development Natural language Processing NFC Payments Mobile Apps Leadership Backend Development

April 2018

April 2017

Senior Software Engineer, COGNITIVESCALE, INC, Hyderabad, India

- > Developed user interfaces for visualising the business impact of our machine learning enabled solutions on client usecases
- > Architected backend stacks to scale to hundreds of thousands of users

MongoDB PostgreSQL Python Java Scala Docker Rancher React.js Node.js ES6

- June - Dec 2016 | Full Stack Engineer, ACERTA SYSTEMS ANALYTICS, Waterloo, Canada
 - July - Dec 2015
 - > Designed and built web apps, backend services, machine learning models and data processing pipelines during a 14 month stint as **Employee #1**
 - > Worked in **Javascript, Python (scikit-learn), R(stats, dplyr), Go(fasthttp)**
- Data Science | R | Automotive | Aeronautical | Industrial Monitoring
- January 2015 | Diagnostics Engineering Intern | Manufacturing Automation | Hardware Diagnostics, ARISTA NETWORKS, Santa Clara, California
 - May 2014
 - > Created software based hardware test automation of a new gigabit ethernet switch and collaborated with Hardware, Software and Bootloader teams
- Python | C | Linux | PCB Bringup | Hardware testing

COMPETENCIES

- People Management | Mentorship, Career Guidance, Hiring, Goal Setting
- Product Development | Technical Architecture, UX Wireframing, Product Roadmaps, Project Management
- Technical Management | Jira, Asana, Confluence, Gliffy, Trello
- Programming | Python, Javascript, R, Go, Java, C
- Platforms | Docker, Kubernetes, GoCD
- Cloud Ops | AWS, Azure, Rancher, Google Cloud
- Databases | MySQL, PostgreSQL, mongoDB, Redis, Hadoop, Hive, ElasticSearch
- Development Tools | Emacs, vim, Visual Studio Code, IntelliJ Idea, npm, git, RStudio, Android Studio, XCode
- Operating Systems | Mac OS X, Linux, iOS, Android

REFERENCES

Pankaj Vaish
Managing Director
 COGNITIVESCALE INDIA

Steve Teleki
VP - Software Product Engineering
 COGNITIVESCALE, INC. USA

EDUCATION

- 2010-2016 | Bachelor of Applied Science in Mechatronics Engineering (Hons.), University of Waterloo, Canada
- 2010 | International Undergraduate Scholarship, Faculty of Engineering, University of Waterloo

LANGUAGES

- English ● ● ● ● ●
- Telugu ● ● ● ● ●
- Hindi ● ● ● ● ○
- French ● ● ○ ○ ○

HOBBIES

- Gym ● ● ● ● ○
- Boxing ● ● ○ ○ ○
- Table Tennis ● ● ● ● ○
- Badminton ● ● ● ● ○

PROJECTS

TALON DRONE DELIVERIES 2015-2016
<https://talonco.github.io>
 An add-on kit for delivery trucks that enables drone deliveries without massive capital requirements. Responsible for Radio communications, flight controller tuning and route planning backend

Drone Flight Control | ArduPilot | Raspberry Pi | Computer Vision

CROP YIELD PREDICTION FEB - MAR 2016
[Link to paper](#)
 Evaluated multiple machine learning models including SVM, Neural nets and Random Forests to predict crop yields in India from a dataset containing meteorological and geographical features

LaTeX | R | Data Science | Time Series Predictions