

# Vat Raghavan

## Experienced Engineering Leader

Experienced Engineering Leader and former CTO. Seeking new challenges and opportunities for learning and growth.

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Berkeley, CA, USA 📍

machinshin.github.io/ 🌐

## TECHNICAL SKILLS

<b>Languages</b>	Typescript/JavaScript/Node.js, C/C++, Erlang, Golang, Python, Perl, Java	<b>DevOps</b>	AWS, GCP, Travis, Jenkins, Docker, Kubernetes
<b>Data Storage</b>	MongoDB, PostgreSQL, MySQL, Kafka	<b>PM Tools</b>	Jira, Rally, Asana, Trello
<b>PM Frameworks</b>	Agile, Kanban, Scrum, Waterfall		

## WORK EXPERIENCE

### Consulting Systems Engineer International Data Works

06/2020 - 12/2020

Twilio/SendGrid consulting and service management

#### Achievements/Tasks

- Designed and Implemented IDW Platform to sell IVR (Interactive Voice Response) services to Energy Sector customers.
- Designed and implemented Interactive Voice Response system allowing users to pay bills automatically by telephone without any customer service agents.
- Integrated Twilio platform features through Node.js, including Twilio Studio, Autopilot, Verify, Sendgrid, and Functions/Assets with various 3d-party API's including Salesforce, Stripe, and RDBMS (MySQL), and others as specified by customer requirements.
- Implemented real-time CI/CD services using Github Actions for continuous integration of feature additions to customers.

### Backend Engineering Consultant Chartmetric

12/2019 - 03/2020

Data Analytics platform for Music Industry professionals

Sunnyvale, CA

#### Achievements/Tasks

- Optimized API performance bottlenecks by analyzing and refactoring PostgreSQL query plans.
- Managed update of Node.js based back end platform from function callbacks to async/await.

### Technical Architect Infosys Ltd

2019 - 2019

Rewriting clients' Oracle/ERP Order Management system to modern Java/SpringBoot/MongoDB/Kafka-based REST APIs.

Sunnyvale, CA

#### Achievements/Tasks

- Led and mentored small remote development team based in Bangalore, India.
- Defined design and architecture practices for total rewrite of clients' Order Management system.
- Worked with external stakeholders to define and estimate product features.
- Stack: PM: Agile/Scrum, Rally. Tech: Java, Hibernate/Spring Boot, Docker, Oracle, MongoDB, Kafka.

### CTO and Co-Founder izi.ai

2016 - 2018

AI-based virtual assistant to enable collaboration and sharing of team conference calls.

San Mateo, CA

#### Achievements/Tasks

- Developed SaaS product from scratch and deployed to dozens of beta customers on AWS cloud.
- Led and managed teams of international consultants (India, Romania) to add features to backend; define and implement React Frontend.
- Worked with team to integrate with various third-party services including Slack, Asana, Trello, JIRA, and Stripe into proprietary REST API.
- Stack: PM: Agile/Kanban, Asana. Tech: Node.js/express, JSON Schema, PostgreSQL, AWS.

## WORK EXPERIENCE

### Lead Backend Engineer NimaSensor (formerly 6SensorLabs)

2015 - 2016

Yelp-like iOS application supporting companies hardware sensor designed for restaurant goers with gluten and peanut allergies.

#### Achievements/Tasks

- Worked closely with CEO, Project Manager, Designer, and Mobile Engineer to design, develop, and iterate on iOS-first SaaS product to complement companies proprietary gluten-sensing device.
- Created the backend, from database structure and API contract definition, to implementation in Node.js.
- Worked with team to define product features to allow customers share and search Nima device test results taken when eating out.
- Stack: PM: Agile/Kanban, Trello. Tech: Node.js/express, swagger, TravisCI, PostgreSQL, AWS.

### Technical Team Lead - API Tilt.com

2013 - 2015

Tilt allows users to pool funds for objectives in a simple, social, and friction-less way.

San Francisco, CA

#### Mentored team of 8 API Engineers

- Led and managed team of eight remote developers to develop new product features for REST API codebase at startup speeds, often ahead of schedule.
- Worked with external stakeholders to define and estimate product features under an Agile/Kanban framework.
- Oversaw API architecture and design, including code reviews on all API pull requests.
- Spearheaded full rewrite of payments layer to be able to seamlessly migrate over 5 million user accounts from Balanced Payments to Stripe Marketplaces API.
- Championed, planned and launched performance-based rewrite unifying Notifications layer and increasing throughput by over 1000%.
- Consistently worked with stakeholders across teams to design and deliver multiple API-based product features at startup speed.
- Stack: PM: Agile/Kanban, JIRA. Tech: Perl/Dancer, Jenkins, PostgreSQL, AWS.

## FORMER EMPLOYERS

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- 2012 - 2014 E\*Trade Financial
- 2008 - 2011 Bloomberg L.P.
- 2007 - 2008 Meggitt Training Systems
- 2004 - 2007 Scientific Games
- 2003 - 2005 CNM Networks

## EDUCATION & TRAINING

### BS in Computer Information Systems DeVry University

Addison, IL

### BS in Real Time Interactive Simulation DigiPen Institute of Technology (Incomplete)

Redmond, WA