

# Ravi Vagadia, Technical Solutions Architect

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## LINKS

[Blog](#), [Personal Website](#), [Github](#), [LinkedIn](#)

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## PROFILE

- 9+ years of overall experience in area of Software Development & Cloud Infrastructure.
  - Deep understanding & passion for full stack application development including Mobile apps, Web apps, API Design & Cloud infrastructure.
  - Experience working as bridge between engineering & management teams.
  - Strong experience mentoring & building engineering teams.
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## EMPLOYMENT HISTORY

Apr 2020 — Present	<b>Technical Solutions Architect - NGINX, F5 Networks</b>	Singapore
	<ul style="list-style-type: none"><li>• NGINX Unit, AppProtect, Controller &amp; NGINX+</li></ul>	
Jun 2018 — Apr 2020	<b>Enterprise Network Engineer, F5 Networks</b>	Singapore
	<ul style="list-style-type: none"><li>• Supporting customer escalations for F5 Products (LTM, AS3, Telemetry Streaming).</li><li>• Organized awareness sessions on modern app development practices.</li><li>• Delivered a presentation &amp; lab at F5 Tech Summit on Kubernetes Troubleshooting.</li><li>• Conducted internal brownbag sessions on topics like Docker, Microservices, Service Mesh, Git, DevOps &amp; CI/CD.</li></ul>	
Sep 2016 — Jun 2018	<b>Solutions Consultant, eInfochips (An Arrow Company)</b>	Ahmedabad, India
	<ul style="list-style-type: none"><li>• Lead a team of Solution Engineers to build capabilities around designing/building Cloud Native Systems and DevOps solutions.</li><li>• Responsible for cloud architecture design, software design &amp; code reviews.</li><li>• Conducted internal bootcamps to re-skill workforce on containerization, twelve-factor app &amp; micro-services.</li><li>• Worked as Principal Engineer to design and build Serverless IoT Platform for Agriculture System.</li><li>• Designed micro-services based smart surveillance system, used NGINX + FFmpeg to convert RSTP stream to HLS.</li></ul>	
Mar 2015 — Sep 2016	<b>AVP - Software Products, AzoI</b>	Ahmedabad, India
	<ul style="list-style-type: none"><li>• Responsible for product development (roadmap, planning, execution &amp; delivery)</li><li>• Responsible for collaborating with business partners for feature integration.</li><li>• Conducted daily sync meetings for collaboration between engineering, design &amp; marketing teams for multiple products.</li></ul>	
Mar 2014 — Mar 2015	<b>Principal Software Engineer, AzoI</b>	Ahmedabad, India
	<ul style="list-style-type: none"><li>• Lead engineering teams (Mobile, Firmware &amp; Web), responsible for timeline &amp; ensuring quality of deliverables.</li><li>• Designed API for public SDK (iOS, Android &amp; Web) for Health Monitoring Device (Kito+).</li><li>• Responsible for planning, design &amp; development of PaaS framework used as platform for all products.</li><li>• Responsible for mentoring, hiring and nurturing engineering talent.</li></ul>	
Mar 2013 — Mar 2014	<b>Senior Software Engineer, AzoI</b>	Ahmedabad, India
	<ul style="list-style-type: none"><li>• Setup continuous delivery pipeline for mobile apps (iOS &amp; Android) using Fastlane &amp; Jenkins.</li><li>• Designed &amp; Developed SOA based architecture for depth sensor based smart TV system using Python &amp; MongoDB.</li><li>• Designed &amp; Developed real-time automatic content recognition system using Python, Celery &amp; RabbitMQ.</li><li>• Developed online storefront, used NGINX GeoIP module to enable features based on user location.</li></ul>	
Apr 2012 — Mar 2013	<b>Software Engineer, AzoI</b>	Ahmedabad, India
	<ul style="list-style-type: none"><li>• Built cross platform NPAPI plugin (C++) for gesture recognition support on web browsers on Android, Linux &amp; Mac.</li></ul>	

- Built full body gesture recognition engine on top of OpenNI for ARM, x86 with support for local sockets & TCP sockets.
- Developed a C++ system service for Android to inject keyboard, mouse and multi touch events via hand gestures.
- Setup Jenkins CI system to generate Custom Android OS (AOSP) builds and delta OTA update images.

Oct 2011 — Apr 2012

### Software Engineer, Hachilabs

Bangalore, India

- Built minimum viable product for gohachi.com
- Worked on Graph database (Neo4j) and CakePHP framework to build the webapp along with integration of Facebook, Twitter & Google Contacts API.
- Worked on improving search performance on a single Neo4j instance of over million nodes in graph.

Dec 2010 — May 2011

### Software Engineer (Intern), Indigo Architects

Pune, India

- Maximojo offers hotels with software solutions to help them manage their hotel inventory, distribution, and revenues.
- Built backend services for a hotel rate listing application, used Selenium to automate data filling on various travel websites.

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## SKILLS

Programming (Python, Go, Java, JavaScript)

Datastore (MongoDB, PostgreSQL, Redis)

Distributed Systems (RabbitMQ, gRPC, NATS, etcd, mosquitto, Kafka)

Infrastructure (AWS, GCP, Docker, Kubernetes, Gitlab)

Reverse Proxy (NGINX, HAProxy, Traefik, BigIP)

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## HIGHLIGHTS

- Co-organizer at official [NGINX Singapore meetup](#).
- Ubuntu Touch OS core apps contributor ([Ubuntu Wiki](#))
- Participated in SXSW (2014, Austin, Texas) to launch Kito on behalf of team Azoï. ([Youtube Link](#))
- Delivered a talk on “IoT with Python” at EuroPython 2015, Bilbao, Spain. ( [Youtube Link](#) )
- Organized 36 hour hackathon annually at Azoï ( [Youtube Link](#) )
- Part of Gitlab's SRE Special Interest Group.

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## EDUCATION

Jun 2009 — May 2011

**M.Sc. Information Technology, Dhirubhai Ambani Institute of Information and Communication Technology**

Gujarat, India

Jul 2006 — Apr 2009

**B.Sc. Computer Science, Saurashtra University**

Gujarat, India