Ravi Vagadia

[LinkedIn](#) | [Blog](#) | https://ravi.ws | ravirdv@gmail.com | +65 90184636

SUMMARY

- 9+ years of experience in Software Development & Cloud Application Infrastructure.
- Passion for distributed systems, diverse experience around web, mobile and cloud technologies.
- Deep understanding & passion for full stack software development including frontend, backend, CI/CD, observability and automation.
- Customer facing experience around building software solutions based on customer requirements.

WORK EXPERIENCE

Technical Solutions Architect, NGINX (Part of F5), Singapore   Jun 2018 – Present
- Helping customers with API Management, Observability, API Security and Distributed Systems Infrastructure.
- Responsible for all technical aspects of a sales cycle like doing demos, building PoCs, whiteboarding, and sizing/designing/architecting the NGINX Application Platform around customer requirements.
- Work with customers to automate application infrastructure management using CI/CD workflow and setup systems for SRE teams.
- Work on customer escalations, understand their architecture and reproduce, troubleshoot & resolve issues.

Solutions Consultant, eInfoChips (An Arrow Company), Ahmedabad, India   Sep 2016 – Jun 2018
- Responsible for software architecture design and development based on our customer requirements.
- Lead a product engineering team for building Cloud based Video Surveillance system with 20+ microservices built with technologies like Java Springboot, Gin (Golang), C++, gRPC, OpenCV and Kubernetes.
- Lead a product engineering team to develop multi-tenant IoT system for agriculture use case, ingesting data from various sensors in farms. Technologies used: Spring boot, Kafka, RaspberryPI, MQTT & Kubernetes.
- Transformed product engineering team by conducting bootcamps on k8s, twelve-factor app & microservices.

AVP Software Products, Azoi Inc, Ahmedabad, India   Apr 2015 – Sep 2016
- Responsible for product development roadmap and collaborating with business partners for integrations.
- Ensured smooth collaboration between engineering, product design, support & marketing teams.
- Setup consistent software development practices (Gitflow, Automation, 12factor, etc) across various teams.
- Responsible for mentoring, hiring and nurturing engineering talent.

Lead - Software Products, Azoi Inc, Ahmedabad, India   Apr 2014 – Sep 2015
- Lead engineering teams (Mobile, Firmware & Web), responsible for timeline & ensuring quality of deliverables.
- Conduct daily SCRUM meetings, work with management on feature priority and software release planning.
- Built SDKs (Mobile & Web) for our partners to integrate Kito+ (Health Monitoring device) with their systems.
- Built serverless framework which was used as an internal platform to rapidly build REST APIs endpoints.

Software Engineer, Azoi Inc, Ahmedabad, India   Apr 2012 – Sep 2014
- Setup continuous delivery pipeline for mobile apps (iOS & Android) using Fastlane & Jenkins.
- Designed & built real-time automatic video content recognition system using Python, Celery & RabbitMQ.
- Built NPAPI plugin (using C++) for gesture recognition support on web browsers on Android, Linux & Mac.
- Built body gesture recognition engine on top of OpenNI for ARM, x86 with support for UDS & TCP sockets.
- Developed an input driver for Android to inject keyboard, mouse and multi touch events via hand gestures.

Software Engineer, Hachi Labs, Bangalore, India   Oct 2011 – Apr 2012
- Responsible for software development and operations of gohachi.com, a social graph search engine.
- Built REST APIs and distributed tasks queue for background synchronization of social media data from integrated Facebook, LinkedIn, Twitter & Google Contacts APIs.
- Setup continuous delivery pipeline with automated tests for web & mobile apps using Jenkins.

Software Engineer (Intern), Indigo Architects, Pune, India   Dec 2010 – May 2011
- Maximojo is a SaaS platform that enables hotels to 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.

HIGHLIGHTS

- Co-organizer at official [NGINX Singapore meetup](#).
- Sideproject: Built a mobile app [Koza Gujarati Dictionary](#), got over 150k monthly active users, 1M+ downloads.
- Delivered a talk on "IoT with Python" at EuroPython 2015, Bilbao, Spain. ([Youtube Link](#))
- Ubuntu Touch OS core apps contributor ([Ubuntu Wiki](#))
- Organized 36 hour product development hackathon at Azoi ([Youtube Link](#))
- Participated in SXSW 2014 to launch Kito Health Monitor as a part of Azoi founding team. ([Youtube Link](#))

SKILLS

Infrastructure: AWS, GCP, Kubernetes, NGINX, Gitlab, Docker, Kafka, RabbitMQ, Jenkins, Istio, Ansible, Terraform
Backend: Python, Go, JavaScript (nodejs) & Java
Frontend: ReactJS, CSS, HTML
Protocols: REST, GraphQL, gRPC, AMQP, MQTT
Datastore: PostgreSQL, MongoDB, MySQL, Redis, Prometheus
Certifications: Certified Kubernetes Application Developer (CKAD & CKA), AWS Solutions Architect Associate

EDUCATION

- **M.Sc., IT**, Dhirubhai Ambani Institute of Information & Communication Technology, India   2009-11
- **B.Sc., Computer Applications**, Saurashtra University, India   2006-09