

# Kartikeya Rokde

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## CONTACT

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## OBJECTIVE

Design & develop Cloud applications and other products along with the expansion of my knowledge of emerging technologies.

## TECHNICAL EXPERTISE

- Programming: Python, Bash., MBaaS, REST, MVC, OOPs, TDD, Go
- Frameworks: Django, BottlePy, MatLab, Parse
- Datastores: MongoDB, PostgreSQL, Redis, RabbitMQ, MemCached
- Search: Solr, Elasticsearch
- Web Servers: Nginx, Apache, Tornado, uWSGI
- DevOps: Git, Fabric, Jenkins, Linux, AWS, gCloud, Docker, Kubernetes, gnu make
- Monitoring: Nagios, AWS logs, ELK, Graphana
- QMS: ISO, FDA, HIPAA
- Misc: WebSockets, XMPP, Media streaming (ffmpeg), Data Scraping
- Management: JIRA, Scrum, Agile development
- Other: Alexa, Serverless, Microservices

## WORK EXPERIENCE

### Aubergine Solutions

Sept 2016 — Present

#### Lead Software Engineer

- Lead and managed several projects.
- Established process for proper project management.
- Responsible for technical decisions in all running projects.
- Responsible for managing resources across projects and recruitments.
- Played my role as a solutions architect in few projects.

### Azoi Technologies

Sept 2012 — Aug 2016 (4 years)

#### Sr. Software Engineer

- Performed my role as a full stack web engineer.
- Designed & developed backend services for of Azoi's products.
- Lead several projects with small team.
- Architected & developed MBaaS framework.
- Developed analytics tools using Data Mining.
- Member of QMS team for ISO & FDA for product Kito.
- Handled recruitment for full stack web engineer.
- Responsible for handling software infrastructure.
- Part of Research & Development for new products.

## PROJECTS

### Content creation platform @Aubergine

- Architect and lead a web based system for a content creation platform based in the UK.
- Python, Django, Postgres, Websockets, Facebook-SDK, Stripe, Jenkins, Fabric, AWS, RDS, Lambda, TDD, Agile, Scrum, Sprints, Angular, CasperJS, Grafana, Sentry.

### News/Blogging website, CMS @Aubergine

- Architect and lead a web based system for a news/bloggging platform based in the US.
- Applied Naive Bayes Bag of Words technique to classify news articles, using NLTK python.
- Mezzanine Django CMS, NLTK, Postgres, AWS Auto-scaling.

### **Healthcare IOT Application @Aubergine**

- Managed a project of a product in healthcare/IOT industry.
- Lead development of Backend. Managed delivery of Android and iOS app.
- BLE, Solr, Fitbit, Apple HealthKit, Firebase, JIRA project management.

### **Full stack web design & development - Kito @Azo**

- Designed & developed RESTful web services using Python-Django, MongoDB, Nginx, uwsgi, celery, redis.
- Implemented 3-legged OAuth2 provider.
- Push notification center using GCM, APNS.
- Kito management interface using HTML, CSS, BackboneJS, Ajax, JQuery.
- Automated deployment, monitoring with Fabric, Jenkins, Sentry, Nagios.
- Active participation in QMS implementation. ISO 62304, ISO 13485.

### **PyECG - Kito @Azo**

- Python package for plotting ECG graph. Matplotlib, PyPDF, SVG, PhantomJS
- Researched on ECG graph and its standards.
- Process huge amount of raw data distributed in binary data files and validating the data with multi-processing and generating graphical reports.

### **mBaaS framework Azync - @Azo**

- Multi-product supported mBaaS framework using Python pickle, Django, mongoDB.
- Zero-downtime deployment with RabbitMQ Pub-Sub.
- Products management dashboard using HTML, CSS, JS, Backbone.js.
- Push notifications support through GCM, APNS.
- HIPAA compliance.

### **Sleep R&D - @Azo**

- Did research on sleep (sleep cycles, stages) and studied its analogy.
- Designed wireframes for an application.
- Conducted & analyzed survey conducted for sleep research.

### **Live Content Recognizer - @Azo**

- A server accepting multiple live media streams.
- Run the image processing algorithm and trigger push notifications based on the result.
- Parallel processing, Web Sockets, Socket Programming.

### **Product Lifecycle Management tool - @Azo**

- Developed tool for managing a product's lifecycle.
- Online portal for managing product requirements and mappings.
- Export requirement / design documents, maintain versions, Review records, Create bi-directional traceability matrix.

## **EDUCATION**

**MSc.I.T.**

**Apr 2010 — Jun 2012**

DA-IICT, Gandhinagar

Obtained the MSc degree in IT with CPI 7.3

## **INTERESTS**

Photography, Cooking, Astronomy