

Kartikeya Rokde

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, Grafana
- QMS: HIPAA, ISO
- Misc: WebSockets, XMPP, Media streaming (ffmpeg), Data Scraping
- Management: JIRA, Scrum, Agile development

WORK EXPERIENCE

Aubergine Solutions

Sept 2016 — Present

Lead Software Engineer

- Responsible for designing and architect scalable cloud infrastructure and develop service architecture for several projects/products.
- Leading development and managing several projects. Tech lead.
- Responsible for implementation of best practices and development standards.
- Working with customers to provide solutions spanning across a wide range of technologies.

Azoi Technologies

Sept 2012 — Aug 2016 (4 years)

Sr. Software Engineer

- Designed & developed backend services for of Azoi's products.
- Architect & developed "Azync" - an mBaaS framework.
- Member of QMS team for ISO & FDA for product Kito.
- Responsible for handling software infrastructure.
- Part of Research & Development for new products.

PROJECTS

Content creation platform @Aubergine

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

News/Blogging website, CMS @Aubergine

- Architect and Lead a news/bloggin platform based in the US.
- Applied Naive Bayes Bag of Words technique to classify news articles.
- 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.

Kito, Kito+ @AzoI

- Designed & developed RESTful web services for product Kito & Kito+.
- Automated deployment, monitoring with Fabric, Jenkins, Sentry, Nagios.
- Tools & Technologies: Python/django, MongoDB, Nginx, UWSGI, Celery, Redis, GCM, APNS
- Active participation in QMS implementation. ISO 62304, ISO 13485.

PyECG - Kito @AzoI

- 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 - @AzoI

- 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 - @AzoI

- 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 - @AzoI

- 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 - @AzoI

- 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

CONTRIBUTIONS

- Contributed to Parse Server - An open-source backend as a service platform
 - <https://github.com/parse-community/parse-server/>
- Contributed to PyAPNS - Python library for interacting with Apple push-notification service
 - <https://github.com/djacobs/PyAPNs>
- Authored pyECG_graph - Python library to generate ECG graph using Matplotlib and exporting it to jpg, png and pdf files using phantomJS.
 - https://github.com/KartikeyaRokde/pyECG_graph

INTERESTS

Photography, Cooking, Astronomy