Joseph Christopher

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Experience

SOFTWARE ENGINEER, INDIX **FEB 2016 - PRESENT**

PYTHON, FLASK, GOLANG, SQLALCHEMY, EXPRESSJS, ES6, MYSQL, MONGODB, INFLUXDB, GOCD

- Majorly contributed to the internal crowdsourcing tool to support pluggable templates, historical revisions to measure data quality over progressive revisions of crawled data
- Implemented a data processing & analytics engine for reporting over historical revisions of a dataset
- Rewrote APIs as pure RESTful service; implemented migrations, brought in design patterns & CI/CD
- Built a RESTful service in Golang that acts as an orchestration platform interacting with several internal APIs to manage and validate rules that act on a dataset
- Built wireframes and API design as a part of product & feature planning

DEVELOPER - WEB, HAPPYFOX (TENMILES CORPORATION) **APR 2014 - FEB 2016**

PYTHON, DJANGO, SQLALCHEMY, EXPRESSJS, SOCKETIO, POSTGRES, MONGODB, REDIS, CIRCLECI, PM2

- Built a seamless white-labelled solution to handle outbound and inbound SMS support, tightly coupled with a major cloud communications company
- Built two-way integrations with third-party APIs (Facebook Graph API, Github, Twilio, Salesforce, CRMs) to sync tickets from external systems & related contact information; integrations with SSO services and JWT
- Optimised resource-heavy synchronous DB transactions into isolated background services
- Wrote a real-time RESTful service for browser notifications (over Redis & SocketIO)
- Contributed to the several features, bug fixes and the public RESTful API
- Handled code reviews and assisted junior developers; brought in PyLint and PEP8 conventions
- Proactively assisted customer success team to reduce response time; offered developer assistance to product team

MEMBER - TECHNICAL STAFF, CONTRACTIQ **JUL 2013 - MAR 2014**

RUBY ON RAILS, TWITTER BOOTSTRAP, JAVASCRIPT, NOKOGIRI, MYSQL, CAPISTRANO

- Engineer #1; architected the entire product from scratch
- Worked across backend, front-end and server operations, single-handedly
- Improved user experience; worked on the feature roadmap closely with the founder
- Wrote a background scrapping service to periodically fetch meta-data about dev-shops
- Growth-hacked traffic and reduced churn with periodic and event-triggered emails

Skills

Languages	Python, Ruby, JavaScript, ES6
Web	Django, Flask, Rails, Express
Data	PostgreSQL, MySQL, MongoDB, Redis, InfluxDB
Tools & Misc.	Balsamiq Mockups, Git, AWS, Capistrano, Fabric, GoCD, nginx

Education

Anna University, Chennai, India – Master of Computer Applications, 2013
Bharathidasan University, Trichy, India – B.Sc. Computer Science, 2010