

Dheeraj Sayala

Full-stack Software Engineer

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EXPERIENCE

ImageWork, White Plains - Senior Software Engineer

2013-Present

- Developed and deployed web applications to AWS, Google Cloud for New York City and State govt. agencies
- Built modern, complex, responsive SPAs with rich visualizations, interactions using React and RESTful APIs
- Processed unstructured data, documents using OCR and fed it into Elasticsearch - exposing search, filtering and reporting capabilities to end users
- Enhanced document systems to enable splitting, merging, editing of scanned PDF documents stored on Azure
- Awards for our counterparts in the Government for innovation, delivery, usability and accessibility
corpinfo.panynj.gov ddc.foil.nyc claimconnect.com advancewarningsystem.nyc and apps for NYPD, FDNY, DoITT

Reuten Consulting, Melbourne - Freelance Web Developer

2013-2017

- Architected/developed/maintained entire Django based stack and deployed to AWS for the sites listed below.
- Implemented highly interactive, content-rich forms, dashboards, search engines for in-house and third party users
- Created a custom e-commerce site with payment processing, recurring payments with multiple gateways
- Built custom reporting admin site to aggregate Google, Mailchimp, in-house analytics and send email and PDF reports, tested on all email clients, to suppliers
- Optimized frontend performance. Improved backend load times using caching with Varnish, Memcached, Redis
- Cut infrastructure costs by 50% by analyzing usage on AWS. Create more resilient backup solutions
- Worked with auditors to make a custom accounting app in React, Django for an Australian political party
architectureau.com selector.com productnews.com.au architecturemedia.com

Agiliq, Hyderabad - Software Engineer

2011-2013

- Wrote bespoke end-to-end web applications for clients, several involving evolving external APIs

Wipro Technologies, Gurgaon- Data-warehouse Engineer

2008-2010

OTHER PROJECTS

Quipio (iOS and Web) | quip.io

- Implemented the REST API for an iOS application. Extended the API later for the public web app

Data and map visualizations

- Visualized NYC taxi data during holiday season using D3, Leaflet taxi.imagework.com, vaccine.civiguard.com
- Experiment connecting citizens to first responders during emergencies using Fusion Tables civiguard.com/ezfinder

Experiments to improve location accuracy of 911 calls

- Built PoC apps using Ionic/Cordova to use Bluetooth Low Energy sensors for location accuracy

SKILLS

Frontend JavaScript, React, D3.js, Vue, BackboneJS, Lodash, HTML5, CSS3, Grid, Flexbox, Leaflet
Tooling like Yarn, Webpack, Gulp, Sass, Babel, Postman and Browser Devtools

Backend Python, Django, NodeJS, RESTful APIs, Nginx, Redis, Varnish, Memcached, Apache Solr, ElasticSearch
SQL and NoSQL, MySQL, PostgreSQL, MongoDB, AWS, Google Cloud, Azure, Rackspace, Firebase

Tools Linux, Git, Vim, Bash, tmux, gdb, ipdb, Unit testing, Selenium, BDD, Browser Devtools

EDUCATION

National Institute of Technology, Calicut - B.Tech

2004-2008

Bachelor of Computer Science and Technology