Srinivas Reddy Thatiparthy

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EDUCATION

- **Kakatiya Institute of Technology and Science**   Warangal, Telangana, India
  Bachelor of Electronics and Communications Engineering; CGPA: 7/10   *Sep. 2003 – May. 2007*

SUMMARY

- A passionate developer with total of 12 years software development experience and 10 years of python,Django development experience building various tools, sites, and frameworks.

- Consulted for Casperlabs - A blockchain company for building integration test framework. Contributions can be found here - https://bit.ly/2pDEVBZ

- I worked on REST APIs in DRF, and develope web applications in python and Django for a large F&I solutions provider for cars in USA.

- I have an extensive experience in writing unit, integration and functional test cases using various frameworks such as unittest, nosetests, mock, fixtures.

- Have expertise in using NoSQL databases like Redis, MongoDB.

- Maintained Mongomock library as core developer and interacted with various open source contributors while accepting patches.

- Very active open source developer, my patches has been accepted in Django, IPython, Numpy, Pytest, Rust (Programming language), Cargo -(rust package manager), rustfmt - (rust code formatter). Please go through github account at https://github.com/srinivasreddy .

- Consulted for iDataLabs -(https://idatalabs.com/), and built data extraction engine which extracts data from various sources such search engines, wikipedia, etc.

- Mentored teams on Python/Django/Django Rest Framework and writing idiomatic python code.

- Extensive experience in reviewing other teams code and suggesting/ improving changes for readability, maintainabilty.

EXPERIENCE

- **Casperlabs**   Remote
  Software Engineer - Contract   *Feb 2019 - Aug 2019*
  - **Casperlabs.io**: Casperlabs is a blockchain company based on Vlad Zomfir's CBC casper protocol.
    Helped in creating the automation framework for integration tests with Docker, Python, Drone - CI/CD tool. All of my contributions can be found here - https://bit.ly/2pDEVBZ

- **Harman Connected Services**   Hinjawadi, Pune,India
  Lead Engineer   *Mar 2015 - Nov 2018*
  - **Dealertrack F&I Solutions**: Dealertrack F&I solutions is a suite of applications such as Credit App, Digital Contracts, Formtastic, DocCenter
  - **Credit Application**: Credit application gives an opportunity to a customer to apply for credit to various lenders for purchase of a vehicle.
  - **Digital Contracts**: Digital contracts automates the paper work required in the process of purchasing a vehicle.
  - **Formtastic**: Formtastic is a configuration and rules management tool. This is used to configure various parameters for dealers and lenders alike, such as vehicle types, forms, states, etc.

- **DocCenter**: DocCenter is a service built for storing various documents in the life cycle of a Deal. Designed REST APIs to fetch and store documents.
  - **ReactJS**: I have written React.js components; Enhanced and fixed bugs in React.js.

- **Tech Mahindra**   Hyderabad, Telangana, India
  Senior Technical Associate   *May 2013 - Feb 2015*
  - **mHealth**: mHealth is a responsive website for chronic disease management for elderly people
  - Writing various views, readable and maintainable python code.
  - Consuming various REST apis and integrating with various modules.
  - Helping Dev team in trouble shooting issues.
  - Helping UI team in mentoring Django templates, and Javascript programming.

- **Gridlex**   Hyderabad, Telangana, India
  Software Engineer   *March 2012 - May 2013*
  - **Autoleg**: Autoleg is an used cars inventory which tracks price changes across dealers and over a period of time for a car.
  - Came up with an efficient rule based mechanism to extract information from 40k dealer websites.
  - Setting up and managing infrastructure servers on AWS.
  - Ran HBase cluster with the help of Apache Whir provisioning software as part of prototyping data storage.

- **Amphora Inc**   Hyderabad, Telangana, India
  Software Engineer   *Aug 2010 - Dec 2011*
  - **Symphony**: Symphony is an end-to-end solution that automates the crude oil trading process from execution through to settlement for the liquid hydrocarbon market. Symphony handles the complexities of physical oil movement throughout the deal life cycle.
  - Fixing bugs arising out of WPF layer used in UI
  - Migrated legacy plist files of web objects framework to hiberante hbm files. Validated hibernate entity relationships with various Junit test cases.
  - Cross checking the behaviour of application with legacy application written Objective-C with the help of gdb
  - Used python scripting for quick reports generation for Transactions in a day, no of Trades and etc.

- **Akebono Soft Technologies**   Hyderabad, Telangana, India
  Software Engineer   *June 2008 - July 2010*
  - **Akira**: Akira is an internal employee portal
  - **Integrated Project Management Tool**: Integrated Project Management Tool is the web based application for managing and tracking software development projects, with features includes Dashboard, Activities, Resources, Collaboration, sharing, notifications, Gantt charts, Permissions and reports
  - ASP.net, C# programming for the above internal tools and sites.

Programming Skills

- **Languages**: Python(9 years), Rust(1 year), Javascript, SQL, Java(2 years), C#(2 years)

- **Tools & Technologies**: AWS, Redis, Github enterprise, Jenkins, Drone, pre-commit, Oracle, Django, React, Django Rest Framework, SqlAlchemy, IPython, Flake8, pip, mongoengine, mongomock, MongoDB, nose-test, pytest, virtualenv, importanize,Rust,Cargo, rustfmt.

Personal Projects

- **allhub**: Allhub is a Github REST Client written in Python - https://github.com/srinivasreddy/allhub

- **rust-bloomfilter**: A simple bloom filter implementation in Rust - https://github.com/srinivasreddy/rust-bloomfilter

- **companies-list**: Data scraper written in Typescript, (buggy) - https://github.com/srinivasreddy/companies-list

- **Euler**: Project Euler solutions - https://github.com/srinivasreddy/euler

Awards & Certifications

- **Hall of Fame Award - Harman 2016 for outstanding contributions across teams -** https://goo.gl/photos/qTtCtouN7DiNMSvX7

- **Neural Networks and Deep Learning** - https://goo.gl/6xvrgo