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EMPLOYMENT

Senior Software Engineer 2   **Clustr, Bengaluru, India**   **May 2017 - Present**
Software Engineering, Data, Python

- Participated in defining the core data platform architecture
- Designed and implemented reference data storage platform consisting RESTful API interface, polyglot persistence, dockerized deployment using django framework, redis, postgresql, mongodb
- Worked with company's proprietary technology in C++ to deliver data ingestion components
- Mentored 3 people to help them learn Python, django and contribute to above mentioned project
- Conducted interviews as and when needed for various roles ranging from Junior developer to Senior Architect. Was a panel member in campus drive in IIT Madras

AVP - Engineering   **Efficient Bazaar, Gurgaon, India**   **August 2016 - April 2017**
Executive management, E-Commerce, Python, PHP

- Defined projects, their dependencies, priorities, order of execution, roadmap, technology stack and complete service oriented architecture to accommodate the tech vision of the company even at scale
- Defined hiring pipeline, workflows, challenges. Conducted interviews. Hired resources across different skill sets - PHP, Python, Test automation, Manual testing, to build team from scratch
- Developed foundation codebase according to the designed architecture, setup cloud infrastructure, deployment workflows, coding practices, development workflows and tools
- Co-ordinated with existing outsourced agency to complete the deliverables and launch E-Commerce portal
- Co-ordinated with another agency to get Android application built - app was for ground workforce work tracking and automation
- Developed server side APIs for Android application. Carried out major refactors and bugfixes
- Developed central user base system that will help with single sign-on going forward
- Designed and developed an in-house e-wallet system to facilitate managing purchases on credit
- Defined and put together foundation for reporting services

Full Stack Developer (Contract)   **StriveWire GmbH, Hamburg**   **October 2015 –May 2016**
Node.js, React, Flux, websockets, Postgres

- Researched for and implemented full text search using Postgres' pg_trgm and React
- Implemented User 2 User chat on top of existing chat components. React application. Workflows are similar to that of Facebook's /messages page. Real time updates even in sidebar, site wide messages dropdown and such
- Implemented "Tournament Browse" React application having fancy filtering options
- Improved testing by significant margin. Added bunch of unit tests, integration tests, stress tests. Wrote a test generator that helps testing ~85% of all the GET routes.
- Made sure jade template files are tested for syntax errors at deployment time.
- Foundation work for supporting Amazon S3 file uploads
- Performed major refactors across the codebase to make it robust. Mainly supporting transactional

SQL queries, simplifying complex nested async trees, comply to later-added-coding-standards
- Bunch of minor features, improvements, bug fixes, refactoring, clean-ups

Golang Developer (Contract)   **MovieCycle GmbH, Berlin**   **April 2015 –June 2015**
Golang, Elasticsearch, Postgres

- Developed services to scrape the data off different HTTP APIs or web pages depending on the source of data at scale
- Maintained Elasticsearch to be updated with freshly scraped data
- Added new functionalities to the custom in-house framework

Member of Technical Staff   **Coriolis Technologies**   **June 2011 – January 2014**
Python/Django -

- Designed and implemented a web based system control panel application for thin-clients
- Designed and implemented deployment configuration manager for BYOD product appliance
- Improved Colama, flagship product of the company, a full-fledged VDI lab manager.
  Added new features such as support for different multimedia contents in courseware, support for physical hosts grouping, product licensing, VPN connectivity for support and a lot of bug fixes. Introduced a way to centralize logging. Built a new Logbook app to quickly filter out log entries
- Converted existing python script into a full blown licensing application. Features included support for multiple products, vendors and customers. online activation, easy table creation for accounting purpose
- Worked with Tata Institute of Fundamental Research, Mumbai to build administrative application suit for their internal purpose. Helped them build API for internal monetary transactions
  Designed and implemented multiple Django and Android applications to suit their needs. It mostly involved inventory management workflows

Vulnerability assessment and Penetration testing -

- Played a key role in building Information Security vertical from grounds. Responsibilities included hiring, training, project planning, project execution and delivery
- Trained a total of 6 people and successfully delivered 5 projects

EDUCATION

Master of Computer Applications   University of Mumbai
Bachelor of Commerce   University of Mumbai

TECHNICAL EXPERIENCE

Projects

- Persistent RAM – a tiny patch to Linux kernel to be able to recover contents of RAM even after soft reboot
- Windows Search Index Reader – utility to read from Windows' search index to help a friend in need

ADDITIONAL EXPERIENCE AND AWARDS

- Microsoft's Most Valuable Professional (Visual Basic.NET) – October 2010

LANGUAGES AND TECHNOLOGIES

Python, Golang, JavaScript, C#, Java, Node.js, Django, jQuery, Bootstrap, AJAX, REST