

Hyderabad, India
+91 7671910148

Jay D

Gmail: dungavathjayanth
Linkedin: jayanthdeejay
Github: jayanthdeejay

Summary

I have been a jack of all trades, master of none, for most of my life, except for core competencies. Never worked on similar tech for more than three years in a row. Enthusiastic to learn and work on tech that I had never worked on before.

Spent the last couple of years studying blockchain technologies ground up from consensus mechanisms to cryptographic algorithms, blockchains' evolution, underlying tech-stack, distributed Defi applications, etc. Before that, worked as a Ruby on Rails Full-Stack Development engineer as well as a DevOps Engineer. Saved over a quarter-million dollars a year in licensing and infrastructure costs by going for a fully open-source tech stack and research computing infrastructure.

For my master's thesis, worked on a dynamic dial-a-ride implementation at UC and suggested solutions that theoretically reduced wait times and overall performance improvement by 30%. Before joining UC, I worked at an international bank's primary data center as an IT Manager, as well as a Systems Engineer at an IT services company in India.

Skills

- Programming, Data Structures, Algorithms, Python, Scripting, PL/SQL, Linux, Unix, Security, Project Management, System Design, BFS learner

Experience

Founder	Swades Coin Ltd.	May 2021 – Present
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Hyderabad, India

- Working on building an application that provides cryptocurrency data insights and explorer API services.

Full Stack Engineer	WPI	Aug 2018 – Mar 2020
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Worcester, MA

- Gathering requirements, planning, system design, document, and build scalable digital repository web applications using Ruby on Rails framework and Samvera Hyrax engine to publish digital scholarship in a start-up like environment.
- SSO with Microsoft Azure, Python ingestion tool, Ansible configuration management including application and system security, and application deployment with CI/CD pipelines.
- Mentored junior developer and practiced agile development methodologies on Jira and oversaw the software development life cycle.

Software Developer Intern	UC Libraries	Aug 2017 – Apr 2018
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Cincinnati, OH

- Back-end developer in Ruby on Rails, Perl and other scripting languages to design, develop and document <https://scholar.uc.edu/>.
- Came up with an elegant no-code solution to make application data read-only after analyzing application data pipelines.
- Automated information retrieval and integrity checks during migration with Perl/Shell scripting.

TA & Student Developer	University of Cincinnati	Oct 2015 – Jul 2017
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Cincinnati, OH

- Assisted Dr. Fred Annexstein in teaching Intro., to Computer Science with Python and oversaw labs, grading & feedback.
- Built a JavaScript/Bootstrap UI web application with basic HTML5 and CSS to showcase digital collections and repositories using Isotope library. <https://goo.gl/nX562G>.
- Wrote scripts to automate data processing and management, and saved months of manual work down to overnight scheduled jobs.

IT Manager II	Oriental Bank of Commerce	Aug 2013 – Jun 2014
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Navi Mumbai, India

- Worked at an international bank's high volume production Data Center as an IT manager and oversaw data center operations management, networking and storage solutions.

System Engineer	Tata Consultancy Services	Aug 2010 – Mar 2013
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Hyderabad, India

- SAP Basis, Oracle, IBM DB2 database administration and incident management.
- Administered SAP applications, 4 production and 16 non-production UNIX/Linux servers running on a cluster environment.

Education

Cincinnati, OH	University of Cincinnati	Aug 2014 Apr 2018
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- MS in Computer Science.

Anantapur, India	JNTU Anantapur	Aug 2006 May 2010
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- BTech in Computer Science and Engineering.

Awards

- **Pratibha Award** (AP State Chief Minister) District topper in 11 + 12th grade 2006
- **On The Spot** (Tata Consultancy Services Ltd.) On The Spot Award for being a quick and continuous learner. May 2012
- **Graduate Incentive Award** (University of Cincinnati) Graduate Scholarship Aug 2014