

Jayanth (Jay) Dungavath

Senior Software Engineer

Skills

Languages	Ruby on Rails, Python, JavaScript, C, Perl	Systems	Linux and systems administration, Amazon Web Services, SAP Basis
Datastores	PostgreSQL, ActiveFedora, MySQL, Elasticsearch, Solr, Oracle, IBM DB2	Frontend	XHTML
Tools	Ansible, Git, Vim, Debian, shell scripting, Travis/Circle CI		

Experience

- Aug 2018–Mar 2020 **Library Applications Developer, WPI, Worcester, USA.**
Development lead for a Samvera Hyrax application development team to develop a digital repository for digitized materials and research output.
- Developed the architecture and lead the implementation of systems and tools
 - Collaborated with preservation & metadata librarians, heads of departments, academics and IT
 - Building upon open source software, evaluated needs and lead the agile developmental efforts
 - Ansibilized server configuration and app deployment, CI/CD, streamlined data ingests ensuring application, data and system security
- Aug 2017–Jun 2018 **Software Development Intern, UC, Cincinnati, USA.**
Early stage library applications developer at Langsam Library
- Student development intern to study and contribute to library application Scholar UC's development
 - Automated bulk data exports and data integrity checks in Perl and also found an elegant solution to make application data read-only during migration
 - Worked on pre and post migration application development efforts
 - Completed advanced Samvera Camp hosted by Data Curation Experts on developer skills
- Oct 2015–Jul 2017 **Digitization Assistant, UC, Cincinnati, USA.**
Part-time student worker at Langsam Library
- Trained in, devised a workflow and worked on Phase One digitization system to digitize rare books, in collaboration with the Preservation Lab
 - Automated file organization and data backups.
 - Redesigned and developed Digital Collections and Repositories site.
 - Trained and lead other student workers in digitization work.
- Jan 2016–Apr 2016 **Teaching Assistant, UC, Cincinnati, USA.**
Assisted Prof. Fred Annexstein
- Introduction to Computer Science using C++ and Python.
 - Assisted in classroom instruction and also oversaw labs, grading & feedback.

Aug 2013–Jun 2014 **IT Manager**, *Oriental Bank of Commerce*, Navi Mumbai, India.
IT Manager at Primary Data Center

- Oracle and Finacle core banking solution administrator
- Data backups, tape management, digital money transfer mangement
- Nationwide daily, weekly, montly and quarterly branch open and closure operations management
- Performed overnight backend server restart procedures and bulk report precessing

Aug 2010–Mar 2013 **Systems Engineer**, *Tata Consultancy Services*, Hyderabad, India.
SAP Basis Administrator

- Trained in C++ and Unix and worked as an IBM DB2 Database admin
- SAP Basis Administrator responsible for managing 20 production and non-production systems
- Change Management process champion
- Trained in SAP Afaria

Education

2014-2018 **MSc. Computer Science**, *University of Cincinnati*, Cincinnati, USA.
Completed 45 credits towards MS Computer Science

- Specialization: Combinatorics, Graph Theory
- Worked on Dynamic Dial-A-Ride implementation
- Universal Cycles project to implement FKM and Duval algorithms to generate Universal Cycles of the order 10^{10} and 7^7 respectively
- Other projects include fast Radix Sort implementation on GPUs and Unix style shell in Perl.

2006–2010 **BTech. Computer Science and Engineering**, *JNTU Anantapur*, *1st Class with distinction*.

Interests

Novice Chess Player; Amateur Photographer; Rubik's Cube; Yoga; Advanced Meditation;