Gautham **Yerroju**

SOFTWARE ENGINEER

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Software Engineer with over 5 years of experience in full-stack web development and Python. Quick to learn new tools, desire to use best practices and an eye for UI and UX.

Skills

Programming	Python, Java, C++, C
Databases	MSSQL, Postgres, MongoDB
Web Development	Express with Node.JS, Flask with Python, VueJS with Router and VueX, CSS3
Frameworks and Libs	Odoo, Numpy, Pandas, Matplotlib
VCS	Git, Perforce

Experience

Odoo Inc.   *California, U.S.A*

SOFTWARE ENGINEER   *Oct. 2018 - Jan. 2020*

- Designed, developed and maintained custom business solutions for clients using open-source business software framework Odoo
- Worked as part of cross-functional team of business advisors, clients and other developers
- Attended weekly meetings with clients to unblock technical challenges and serve as the subject matter expert on the Odoo framework
- Migrated data of multiple clients from legacy systems into Odoo
- Migrated custom code to newer versions of Odoo
- Participated in weekly code reviews, adhering to and promoting good coding standards
- Independently managed projects in Kanban workflow, took ownership of software modules and delivered quality solutions
- Gave a talk on using Odoo's External API at yearly company conference Odoo Connect
- Conducted week-long technical training on the Odoo framework every quarter to a multi-national cross-domain audience (including Toyota, Japan), generating a revenue of $5,000 per attendee to the company
- Brought in an yearly revenue of over $100,000 to the company through time billed, including monthly recurring revenue

University of Nevada, Reno   *Nevada, U.S.A*

RESEARCH ASSISTANT (ADVISOR: DR. FENG YAN)   *Aug. 2016 - Aug. 2018*

- Thesis - Extreme scale storage failure analysis: a spatial-temporal approach
    - Analyze disk failures in real-world big data storage systems and build a failure prediction algorithm

TEACHING ASSISTANT (DATA STRUCTURES AND DATABASE MANAGEMENT SYSTEMS)

- Graded programming assignments and exams, conducted Q & A sessions for students twice a week and occasionally taken lectures

CA Technologies   *Telangana, India*

FULL STACK WEB DEVELOPER   *Jan. 2016 - Jul. 2016*

- Designed and built a web application from ground up to publish quarterly surveys and aggregate results on a dashboard
- Solely responsible for requirements analysis, design, development, testing and deploying the project
- Used ExpressJS with Node.js and Mongoose with MongoDB, with Active Directory for authentication and role management to integrate with existing infrastructure
- Role-based access control based on Active Directory roles
- Used Material Design UI kit and subtle CSS3 animations to great effect to indicating multiple features like auto-saving, notifications and state transitions
- Learned all the required tools and implemented the application in five months, following best practices (mostly from the 12-factor app paradigm)

FACTSET Research Systems   *Telangana, India*

SENIOR AUTOMATION ENGINEER   *Mar. 2012 - Aug. 2015*

- Developed and maintained a framework using IBM STAF and Python on which automated tests can be scheduled, their results stored and sent to test owners
- Integrated the framework with other internal tools using SOAP and REST APIs
- Worked on developing a web application to schedule tests and view results (PHP, MSSQL and jQuery)
- The developed test automation framework replaced most of the manual testing team's man-hours, freeing them to test for more elusive bugs and dramatically increase product coverage
- Presented work-related topics to the team every two weeks in order to improve collective knowledge
- Was consistently rated 'Exceeds Expectations' or 'Outstanding' in every half-yearly review
- Was awarded the "Star Performer" yearly award three times during career
- Interviewed and trained new hires for the team on required tools, technologies and workflows

Education

University of Nevada, Reno   *Nevada, United States*
MSc., Computer Science and Engineering   *Aug 2016 - Aug 2018*

Jawaharlal Nehru Technological University Hyderabad   *Telangana, India*
BTech., Computer Science and Engineering   *Mar 2007 - Apr 2011*

Projects

Personal website and blog

GAUTHAMYERROJU.COM

- Hand-made CSS for home-page built to be responsive and performant
- Blogging workflow with GitHub pages and Prose.io

VueJS web-app: Local Media Gallery

Server: NodeJS + SQLite

- Recursively scan folder for media
- Auto-generate and cache thumbnails on-demand for images, animated GIFs and videos
- Use SQLite for persistent storage of scanned metadata

Client: VueJS + Bulma

- Single-file components with detailed CSS and JS
- VueX to manage application state and Vue Router to reflect current state
- Uses the Bulma CSS framework, custom performant CSS for effects and animations

Android app: Location Obfuscation

Class Project

- Implemented Google Places API, AOSP and Play Services location APIs with gracefully degrading location strategy

Open CV: Face counting in panning video

Class Project

- Face counting in panning video using Haar cascades and frame stitching