**SOFTWARE ENGINEER**

**PROFESSIONAL SUMMARY**

* 3 years of experience in developing Web applications, Mobile Application and Web Services.
* Fresh Graduate/ Completed Masters in Computer Science with 3.7 in Fall 2017.
* Experience in Designing, Developing UI applications using Ruby on Rails, React, NodeJS, HTML and CSS.
* Experience in Designing, Developing RESTful Web services using NodeJS, JSON and XML.
* Expertise in TDD, writing unit/ integration/ API tests using Rspec, Junit, Mocha, Chai JS.
* Very strong foundation in all phases of Software Development Life cycle.
* Part of Production Support team in Analyzing, Debugging and Fixing live production issues.
* Hands-on experience with Amazon AWS, Heroku and Google App Engine
* Good understanding of industry best practices like Micro services Architecture, Continuous Integration/ Delivery.
* Proficient knowledge in Data Structures, Algorithms, Object Oriented Programming and Design Patterns
* Experience in fast-paced, Iterative Agile Development.

**EDUCATION**

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| --- | --- | --- | --- |
| **Degree** | **College** | **Year Completed** | **GPA** |
| Masters, Computer Science  | California State University, Eastbay, CA | Dec 2017 | 3.7 |
| Bachelor of Technology, Information Technology  | SASTRA University, Thanjavur, India | May 2014 | 3.42 |

**SKILLS**

**Programming –** Ruby, Java/J2EE, C, C#, Shell, HTML5, CSS, JavaScript, jQuery, Python, NodeJS

**Testing and Frameworks –**Ruby on Rails, Rspec, Factory girl, JUnit, MVC, Spring, JPA, ExpressJS, AngularJS

**Databases -** PostgreSQL, Oracle SQL/PLSQL, MySQL, SQLite, Google Datastore**,** Amazon S3, Redis, MongoDB

**ERP Applications -** ORACLE E-Business Suite 11i and R12 version – Financials

**Cloud and Web Services -** Amazon AWS, Google App Engine, Heroku, REST, SOAP, XML, JSON

**EXPERIENCE**

**Software Engineer Intern** (06/2017-12/2017)

**Dūcō Advisors Inc, San Francisco, CA**

* Design, Develop and maintain application-Ruby on Rails, PostgreSQL, Redis, Send Grid, Heroku, HTML, jQuery
* Built an automated scraper service for news articles using Opengraph and configured Redis backgrounder
* Researched and prototyped new technologies including Shrine file management and blockchain technology
* Maintained and built customized functionality for the company internal dashboard using Rails Admin
* Wrote (60+ to-date) Rspec test cases to analyze and identify code leaks
* Responded to 30+ Rollbar error reports from notification, replicating errors with tests and fixing
* Refactored the application code by applying DRY (Don't Repeat Yourself), KISS and SOLID patterns

**Application Developer Analyst**, (07/2014 – 09/2016)

**Accenture, Bangalore, India**

* Worked across the service delivery lifecycle to analyze, design, build, test, implement and maintained multiple applications for our client (Canada based E-Commerce)
* Designed shell script components by working directly with client and saved 45 hours/month of IT effort.
* Debugged and fixed 20+ application bugs in distributed database and Oracle Application pages.
* Refined and exposed security threat in Oracle database application that was unnoticed for 10+ years.
* Coordinated various teams (15 teams and 50+members) during Database and E-Business Application upgrade.
* Received **Star of the Month** award for excellence in team player and mentoring skills.
* Won “**Accenture Celebrates Excellence (ACE)**” award (prestigious award for the employees at Accenture).
* Received Client and Accenture Leadership level recognitions for proactive works and fixing critical issues.

**ACADEMIC PROJECTS**

**Facebook application using J2EE and GAE, CSU East Bay** Spring -2017

Designed a Facebook app using OAuth (Facebook API) and added features like tweet, comment and view post. App hosted on Google App Engine. **Skills utilized:** Java servlets, JSP, JavaScript, Bootstrap, Facebook API, Datastore

**GitHub:** [github.com/KarthickMahalingam/Facebook-tweet](https://github.com/KarthickMahalingam/Facebook-tweet)

**Doyu card battle game, CSU East Bay** Winter -2017

Developed a card battle game following principles of Software design patterns and development lifecycle.

**GitHub:** [github.com/KarthickMahalingam/DoyuThrowdown](https://github.com/KarthickMahalingam/DoyuThrowdown) ***Skills utilized:*** Java, Strategy, Factory and Proxy

**Twitter like app with devise authentication, CSU East Bay** Spring-2017

Created twitter like application independently using devise authentication and hosted it on Heroku.

**GitHub:** [github.com/KarthickMahalingam/Tweets-RubyonRails](https://github.com/KarthickMahalingam/Tweets-RubyonRails) ***Skills Utilized:*** Ruby on Rails, jQuery, Devise, JS