

Kushal Singh Thakur

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SUMMARY

Software Engineer with 2+ years of experience in developing a large and complex web application. Ability to automate tasks and troubleshoot problems. Developed applications from ground zero and was involved in all phases of the development.

EXPERTISE

Web Development

Object-oriented Programming

Design Patterns

Test-driven Development

EDUCATION

- **Indian Institute of Technology, Madras** Chennai, India
B. Tech in Aerospace and M. Tech in Applied Mechanics *July 2011 – April 2016*

EXPERIENCE

- **FP Tech Science Pvt. Ltd.** Bengaluru, India
Software Development Engineer *Dec 2017 - Present*
 - **Search Application:** Designed and built multiple features in search applications such as RESTful API to search based on different filters, implemented various types of facets and dynamic price range facet.
 - **Category Hierarchies:** Developed an application solely which is responsible for storing, retrieving and manipulating category hierarchy data and metadata.
 - **Auto-suggest:** Redesigned the application to make it multi-lingual.**Tech:** Java, Spring, Spring boot, Hibernate, JUnit, Mockito, MySQL, Apache Solr, Maven, Gradle
- **ZenParent Solutions Pvt. Ltd.** Bengaluru, India
Software Developer *July 2016 - Oct 2017*
 - **User Generated Content:** Created a service which allows users to submit articles on the site which can be reviewed and approved manually or published automatically after a stipulated time interval.
 - **Website Revamp:** Revamped website and was solely responsible for Backend development.
 - **Automation:** Implemented an algorithm to generate personalized newsletters and email notifications. I also designed a report generating system which was responsible for collecting article performance parameters from google analytics.
 - **Apache Solr:** Integrated Apache Solr with Wordpress to speed up the content search across the website.
 - **Troubleshooting & Performance:** Troubleshoot the site performance issues using New Relic. Found critical issues on site which were degrading site performance and user traffic.
 - **AMP pages:** Designed Accelerated Mobile Pages (AMPs) to enhance mobile user experience.**Tech:** WordPress, JavaScript, PHP, MySQL, Apache Solr, HTML, CSS, AJAX, JSON, Git, JQuery

TECHNICAL SKILLS

Programming/Scripting: Java, JavaScript, Python, PHP, SQL.

Web: Spring, Spring Boot, REST, Hibernate, HTML, CSS, AJAX, JSON

Data Stores: MySQL, Apache Solr

Miscellaneous: Git, Junit, Maven, Gradle, Linux, Unix

PROJECTS

- **Boggle Word Game:** Designed Boggle word game in Java language.
- **Seam-carving:** Seam-carving is a content-aware image resizing technique where the image is reduced in size by one pixel of height (or width) at a time.