

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 troubleshoot problems and automate tasks. Built applications from ground zero and seen it through all phase of development cycles.

EXPERTISE

Web Development

Design Patterns

Troubleshooting & Optimization

Object-oriented Programming

Test-driven Development

Responsive Web Design

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:** Extensively worked on search system. Designed a REST service to search based on multiple filters and category. Implemented dynamic price range facet.
 - **Category Hierarchies:** Built a REST service solely which was responsible for storing and manipulating category hierarchically data and metadata.
 - **Auto Suggest:** Redesigned the application to make it multi-lingual.**Tech:** Java, Spring, Spring boot, Hibernate, MySQL, Apache Solr, Maven, Gradle
- **ZenParent Solutions Pvt. Ltd.** Bengaluru, India
Software Developer *July 2016 - Oct 2017*
 - **User Generated Content:** Developed an application which allows users to publish articles on the website.
 - **Website Revamp:** Revamped website and was solely responsible for Backend development.
 - **Automation:** Implemented algorithm for automating the distribution of personalized newsletters, email notifications and data sheet generation.
 - **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.
 - **AMP pages:** Designed Accelerated Mobile Pages (AMPs) to enhance mobile user experience.**Tech:** WordPress, JavaScript, PHP, MySQL, Apache Solr, HTML, CSS, AJAX, JSON, Git

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, 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