SHASHANK SHETYE SAUDAGAR

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Professional Summary

Experienced Software Engineer who works effectively in a dynamic environment and precisely executes development projects from concept to delivery. I love working with Software Architecture and DevOps, ready to take on a challenging role with a diverse portfolio.

Skills

- Project Management
- Web Application Engineering
- Database Design (RDBMS & Elasticsearch)
- Software Architect

- Proficient in PHP (Laravel)
- DevOps (AWS)
- Application Security
- Omni-channel E-Commerce System

Work History

Software Developer - Ajency.in   07/2017 to Present

Project: KidSuperStore.in
- Creating specifications for building an Omni-channel E-Commerce system
- Software architecture for the monolithic website as well as the three micro-services that form the core of the system
- Leading a team of 2-3 developers to build assigned modules
- Coordination with external Dev-Ops personnel and implementation of deployment pipelines for all services forming the part of the project on AWS
- Defining the structure/architecture/implementation for versioned rest API
- Designing and Implementation of Event-based Architecture significant for any E-Commerce system
- Integration with AWS services like S3 (Storage), SES (emails), Cloudfront (Global CDN), Elasticsearch (NoSql Database), SQS (Asynchronous messaging and background processing)
- Design and development of a system for communication between the micro services
- Creating document structure and mapping for Elasticsearch product documents that allows for the fast and dynamic implementation of the faceted search functionality

Project: Mylan and Growthinvest
- Web application security testing and reports for the projects
- In charge of designing and implementation of deployment and server architecture as a part of enhancing the security

Project: Devicebook
- Writing adapters for various IoT devices to connect them to the Devicebook cloud running a software hub on your local windows machine

Project: pro-j.app
- Code optimization for the listing functionality in the Google firebase environment

Project: Vacation Labs
- Implementation of additional features into the listing functionality (Ruby backend)
- Designing architecture and implementation of a new features that serves different images to the client based on the clients resolution and pixel depth

Project: FnBCircle.com
- Backend Software Development in PHP Laravel
- Database design for assigned modules
- Implementation for AWS services like Email(SES), Notification(SNS) and Storage (S3)
- Auto optimization and copyrighting of images uploaded by the clients
- Synchronization of multiple mailing lists with Pepo Campaigns
- A highly optimised Import system that can import up to 4 lakh listing entries in less than 5 minutes.

Co-founder/Lead Developer - **Leiansis**   08/2014 to 05/2016

Built an innovative intelligent platform for students of Std. X to help them explore different careers choose their career based on their interest and skillset.
- Backend Software Development in PHP
- Database Designer and Administrator
- Non-Technical activities like development of Business Model Canvas, Break-even analysis, Marketing Presentations etc.
- Writing of Maintainable and extensible code in team environment
- Implemented designs using experimentation and multiple iterations
- Consulted regularly with customers on project status, proposals and technical issues
- Directed software design and development while remaining focussed on client needs
- Worked effectively with design teams to ensure software solutions elevated client side experience

IBM Career Education Program - **Biztime IT Solutions Pvt Ltd**   06/2014 to 07/2014

Built a module for HR to check attendance and decide whether to grant or deny a request for leave by the employee.
- Web Applications in J2EE Environment
- IBM DB2
- DAO Architecture
- Hibernate, Spring framework

Education

Bachelor of Engineering: Computer Science (**Goa College of Engineering)**

Our final year project focussed on evaluating the impact of pre-processing and distribution of data on multiple machine learning algorithms while operating on photometric data from the SDSS in terms of their accuracy and time taken to process the data. We also proposed a way to improve the accuracy by using a modified random forest algorithm and distributing the workload of processing to self-hosted Hadoop Distributed Cluster using Pydoop

Achievements

- Published a research paper titled "Star-Galaxy Classification Of Photometric Data – A Comparative Study Of Machine Learning Algorithmic Models" for International Organization of Scientific Research (IOSR) Journals – Computer Science
- Prizes in Programming Competitions in college festivals like Technix, Technosangram etc.
- Young Entrepreneur of the Year award at Biz-Fest 2015
- Represented State of Goa twice at Western India Science Fair in 2010 and 2011

Activities

- Conducted workshops on topics like "Going serverless with firebase" and "Conversational Chatbots with RASA" in Goa College of Engineering and SRIET-Goa in 2018 and 2019
- Presented research paper at "Advantages in Computational Biology, Communication and Data Analytics" a CSIR sponsored National Conference, Belgaum, May 2017
- Certification course on Computational Service Science at Goa University by Dr Aditya Ghose from University of Wollongong, Australia, February 2017.
- Presentation at Institution of Engineering and Technology Competition titled "Data - The Fourth Scientific Paradigm", Goa University, March 2017
- Workshop on Data Science and Applications by Faculty of Natural Sciences, Goa University, March 2017
- National Network Security Championship, organized by Network Bulls in association with ACM-IIT Delhi in Dec 2013

Hobbies

- Astronomy (Volunteer at Public Astronomical Observatory/AFA-Goa for 7 years)
- Teaching (Conducted several workshops and part of founding team of *Fascination*)
- Hiking (Attended several annual hiking and trekking camps organised by GHA)
- Organizing and going on nature trails to see and learn about beautiful flora and fauna in Goa
- Reading

Personal Information

- Languages Known: English, Marathi, Hindi, Konkani
- Relocation: Willing to relocate both Domestic and International
- Location Preference: Goa, Pune, Mumbai, Bangalore, Hyderabad