

Dr.Shashidhar Gurav

Contact

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Skills

Primary

Core Java, REST APIs (JAX-RS)

Secondary

SSL, Data Structures,

Tomcat, SQL

Tools

PTC Integrity Lifecycle

Manager, MKS Toolkit,

Eclipse IDE, SQL Developer,

Linux & Windows OS

Languages

Proficient

English – read, write

Native

Kannada – read, write

Intermediate

Hindi – read, write

Experience

11/2017 – 03/2019 Parametric Technology Corporation (PTC) India, Pune |

Software Analyst

- As a SCRUM-Agile team member, I was responsible for developing and delivering small units of requirements
- Worked on developing, enhancing JAX-RS based REST APIs and designing Junit tests around application classes
- Implemented both client and server-side encryption algorithms to store sensitive information

08/2012 – 10/2017 Sharad Institute of Technology College of Engineering,

Ichalkaranji | Assistant Professor

- 5 years of teaching work experience (of tutoring under-grad engineering students in various technical subjects)
- Tutored more than 6 different technical courses (Object Oriented Programming with Java, Computer Algorithms & Data structures, Computer Networks, Data communication Operating Systems and Software Engineering) over the period of 10 semesters
- Mentored multiple academic projects to final year under-grad students
- Conducted and attended many workshops on nascent technologies

Education

- 2015 – **PhD in Detecting Prostate Cancer with Image Processing (in pursuit)**, Visvesvaraya Technological University, Belgaum
- 2012 – **M. Tech in Computer Science**, Gogte Institute of Technology, Belgaum
- 2010 – **Bachelor of Engineering in Computer Science**, Visvesvaraya Technological University, Belgaum

Selected Projects

07/2018 – Enhancing product security (PTC Integrity Lifecycle Manager)

With security becoming the highest priority, I worked with the team to fix security issues identified in the product by tools like Veracode and Dependency-Check. I was directly involved and was responsible for upgrading old hashing and encryption algorithms with more secure alternatives to store sensitive information such as user credentials and database passwords.

Technologies – JCA (Java Cryptography Architecture) and JSSE (Java Secure Socket Extension), Veracode Scan, FindBugs, OWASP Dependency-Check

12/2017 – Building REST APIs (JAX-RS) for Integrity Lifecycle Manager

I was part of a scrum team which developed JAX-RS based REST APIs for existing server platform. I was involved in different phases of development, starting from designing automated tests with JUnit and then moving on to complex tasks like designing new application classes, REST endpoints, supporting HTTP verbs in the API.

Technologies – Jersey, Servlets, Core Java and Tomcat

12/2016 – Intelligent Editor

A simple java source editor which is really geared towards tutoring new java programmers. The project exhibits a fine blend of concepts borrowed from DrJava and CodeWars. Unlike CodeWars, the editor is meant for offline learning of the language and comes with a pre-bundled 1000+ java puzzles with incremental complexity. Puzzles are presented in beginner to expert level order and also based on user's history of successfully attempting the previous puzzles. Like DrJava, the editor has all the code editing features those are expected to be in a lightweight source code editor.

Technologies – JGoodies and Minimal Java FX

Interests & Hobbies

- Travelling
- Exploring new technologies and gadgets