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PROFESSIONAL SUMMARY

- Software engineer with 2.7 years of industry experience and strong background in computer science and **software engineering** best practices and processes.

- Majority of my experience has been in developing robust and scalable **RESTful web services** and web applications using **MVC frameworks** such as **Play Framework** and J2EE.

- Very good foundation in functional programming and experience in using **Scala** for more than 1 year.

- Also experience in working on projects ranging from procedural, object oriented to functional programming paradigms. Some of them include Scala, Java and C#.

- Experience in working with different architectural styles such as SOA, message broker, micro-service architecture and using various design patterns.

- Deep understanding about **agile methodologies** and experience in following industry standard software development practices involving TDD (Test Driven Development), unit testing and continuous integration.

- Good knowledge about different testing types and **experience in** using wide range of **testing** frameworks such as Junit, ScalaTest, MSTest and Selenium.

- Other interests include **Internet of Things**, smart home, smart city and other applications related to IoT which led to do **internship with Microsoft Research** UK in that field.

- Strong analytical skills with good requirements elicitation ability.

- Thrives on adaptability, fast learning ability and thirst to learn new languages and technologies in the industry.

- Looking for better opportunities filled with challenges to utilize my problem solving and technical abilities. Also interested to enhance my skillsets and learn new technologies.

EXPERIENCE

Software engineer analyst   Feb 2014 to Present

Accenture UK, London
- Primary responsibility includes design and development of solution for business problems.
- Client facing role involving requirements elicitation and documenting user stories on Jira.
- Need to work in agile environment.

Industrial project intern   May 2013 to Sep 2013

Microsoft Research UK, London
- Do research in Internet of Things and develop an IoT web service platform to enable Gadgeteer.devices to communicate with each other.
- Collaborate with another team which performed analytics using Hadoop and R Analytics on the data generated by IoT devices.

Project engineer   Jun 2011 to Jul 2012

Wipro Technologies, Chennai
- The job involved using Adobe Flex for creating RIA (Rich Internet application) with interactive charts and report generation.
- Trained in web frameworks like Spring, Hibernate and tools like Oracle Fusion Middleware and Tibco BW.

EDUCATION

University College London, London, United Kingdom
MSc in Software Engineering obtained with Postgraduate Distinction   2013

Anna University, Chennai, India
BE in Computer Science and Engineering obtained with 84%   2011

Velammal Matriculation Higher Secondary School, Chennai, India
12th Standard obtained with 91%   *2007*

SKILLS

	Proficient	Familiar
Language	Scala and Java	C#, C and ActionScript 3
Web Technologies	Play framework and HTML	JSP, Servlets, .NET and JavaScript
Testing Frameworks	Junit, ScalaTest and Selenium	JBehave and Cucumber
IDE	Eclipse and IntelliJ IDEA	Microsoft Visual Studio
Database	MySQL	MongoDB
Others	Jenkins, Jira, Confluence and Microsoft Azure	UML 2.0

CERTIFICATIONS

- Oracle Certified Associate, Java SE 7 Programmer dated on 21 March 2014.

- Scrum Alliance certified Scrum Master dated valid until 12 May 2016

PROFESSIONAL PROJECT DETAILS

(Currently working on)

Project Name	**Digital Delivery Center Newcastle**
Client	HMRC
Role	Software Engineer
Duration	Mar 2014 to till date
Team Size	10
Skills Used	Scala, Play Framework, MongoDB, Selenium, SBT, Git, TDD, Scrum, IntelliJ IDEA, Linux, Jenkins, Jira and Confluence
Description	- UK Government's tax department initiative to assisted digital solution through a web application to allow one user to login as another user in order to increase digital activity. - A user can nominate a trusted helper or attorney by searching for him/her against the government records. Facilitate pseudo-login so that attorneys can login into their authorized clients services and do tax submissions on behalf of their clients. - This project uses Microservice architecture to create small manageable web service components. I use Scala language with Play Framework and MongoDB to develop these microservices (with REST endpoints) to be consumed by other services within the business.
Responsibilities	Gather requirements from client and record the user stories in Jira

- Architect and develop the solution using Scala and Play Framework and unit test the solution using ScalaTest.

- Use Git for source control and monitor CI build in Jenkins.

- Write acceptance tests using Selenium

- Adhere to Scrum and expertise doing different roles within the scrum team.

Project Name	**Metrics Automation Platform**
Client	CITI-North America
Role	Software developer
Duration	Dec 2011 2014 to Apr 2012
Team Size	18
Skills Used	Adobe Flex 4.5, Action Script 3.0, MXML, HTML, CSS, Eclipse and SVN
Description	• Metrics Automation Platform is a flex based web application development. • Project involves the design, development and testing of an application created for generating Grid and chart report from the data available in the database. • Metrics Automation Platform (MAP) allows the high level business users to see the Grid and chart reports generated from the data extracted from various data sources. This will help them in taking business decisions based on the available reports.
Responsibilities	• Involved in developing Flash/Flex interactive applications with data binding, remoting, custom and CSS-styled stock components, flex data services, charting. • Developed portals for various activities as per the requirement and solved many critical issues in them too. • Impact analysis, Design, Coding, Test case Preparation, unit testing, review, documentation

ACADEMIC PROJECT DETAILS

Project Name	**Gadgeteer Internet of Things (IoT) API**
Client	Microsoft Research UK
Role	Programmer
Duration	May 2013 to Sep 2013
Team Size	4
Skills Used	Windows Azure Platform, WCF, .NET, C#, Service Bus Architecture Style, Web Services and Design Patterns
Description	• The main idea behind this project is to develop a web service based platform to enable users to connect their devices to Internet and facilitate bidirectional communication. • Ability for the users to add, remove devices associated to their user account.

- A cloud based web service was created to enable communication between different devices connected to the Internet. A set of APIs were creating to be consumed by developers to facilitate data communication between the devices.

- Microsoft's hardware prototyping platform .NET Gadgeteer was used to create hardware prototypes to display how the IoT web service could serve as a medium to manage one's personal devices and facilitate communication between different devices to do smart things.

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Responsibilities	• Design the architecture for the project and develop the entire web service layer using WCF and C#.
	• Perform unit, functional, performance, load and stress testing to deliver a fault tolerant and robust web service.
	• Configure the Azure service bus and create Azure cloud worker roles to consume and process the messages from service bus.
	• Package and deploy all the web service components on Azure cloud platform
	• Strictly follow scrum for product development

Project Name	**Schoolware**
Client	Royal Bank of Scotland and charity organization
Role	Module leader
Duration	Jan 2013 to Mar 2013
Team Size	4
Skills Used	Java, JSON
Description	• Schoolware is a framework aimed at improving education standards in secondary schools in the UK. It allows students to take tests under various subjects
	• In a basic sense, it is an app store where programmers can contribute by writing their own applications based on the framework we developed and help school students to learn faster and compare their scores with other users and also their past performance.
	• It serves a single unified platform to enable developers to upload applications developed in different languages.
	• The framework provides guidelines, in the form of interfaces and API's, to the application developers which they must follow in order for the application to be accepted to run on the framework.
Responsibilities	• Team Leader for the API team responsible for developing libraries.
	• Coordinate with other team leaders and communicate requirements.
	• Develop library APIs for score calculation and score submission to the web service component.