

*Aspired to pursue career opportunities as Software Engineering (SE/SSE/SDE) in an organization of repute preferably in an **IT Industry***

SUMMARY

- » A competent professional with over 5 years of experience in the areas of Full Stack Development, Software/Application Programming
- » Areas of Expertise in Coding, Root cause Analysis, Software Development, Process Enhancements, Project Execution, Application Programming / Maintenance Support, Defect / Incident Management, Client Servicing, Bug Fixing, UI/UX Design and SQL Development
- » Deft in following with various clean code Design Patterns from GoF (DI, Singleton, Factory Method), Design Principles (SOLID, DRY), Architectural Patterns (MVC, N-Tier, MVVM), Architectural Styles (RESTful API, SOA, IoC), Microservices, UML, ORM, Object-Oriented Concepts/Principles (OOA, OOD, OOAD, OOM, OOP, OOPS), Software Development Process (TDD, BDD, DDD)
- » Adept in end-to-end development of software products with prototype creation in all stages of software development in exposure with full life-cycle implementations in executing different phases of SDLC, compliance to quality standards and design thinking principles
- » Provide architectural innovative guidance for seamless improve in resiliency, efficiency, performance, robust, reliable, security and cost

ORGANISATIONAL EXPERIENCE

Excelsoft Technologies Pvt Ltd, Mysore – 18	Software Engineer	Oct'19 – Till Now
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Working under the platform for product-based development team for Saras™ | Test and Assessment | E-Learning

Project : **Singapore Examinations and Assessment Board (SEAB)**
 Client : MOE | S & I Systems Pte Ltd, SEAB
 Description : SEAB is a statutory board that collaborates with MOE to develop and conduct national examinations in Singapore and to provide other examination and assessment services, locally as well as overseas. The board publishes examination results for the major exams. Positioned itself to become a regional center for testing and assessment products and services
 Technologies : Angular 10, 3-Tier Architecture, ASP.NET MVC, REST API, WCF, JAWS (Accessibility - WCAG 2.1)

Project : **Driver and Vehicle Standards Agency (DVSA)**
 Client : Kainos | BJSS Ltd, DVSA and Pearson VUE
 Description : Authorizing UK driving learners with Licence Certificates, governed and approved by the Driver & Vehicle Agency (DVA). Drivers will put forward their on-road vehicle riding knowledge and skills to forecast their metacognitive abilities during all their phases of test conducted in offline/online distributive across the globe at various test centres of Pearson Vue
 Technologies : Angular 10, Azure, ASP.NET MVC, API, WCF, ETL (TestCenterLite MSI), Accessibility (WCAG 2.1), OWASP ZAP Tool

Project : **New York Civil Services (NYCS)**
 Client : City University of New York Government
 Description : New York State Civil Service Commission conducts E-Assessment tests for qualifying the eligible individuals for improving and maintaining consistent with civil service laws and the City's personnel rules based on their specific designation opted
 Technologies : Angular 7, ASP.NET MVC, WCF, SQL Server, REST API Web Services

Key Result Areas:

- » Rendered close assistance in reducing the turnaround time of issue resolution as well as number of incidents occurred during automation tests with continuous improvement suggestion
- » Handling various technical aspects right from requirement analysis to system study, coding of modules according to given design specifications, debugging and fixing those defects, analyzing to find root cause for business problem with key findings
- » Occupied with product development and support, assisting with relational database design, programmed for different projects to modify the changes as per the requirement of the client/stakeholder consent. Actively participated in regular scrum calls
- » Responsible for the design, development, documentation, maintenance, upgrade, efficiency, security and integrity of the company's software products and databases
- » Providing post-implementation, bug fixing issues, application maintenance, and enhancement support to the client from the JIRA and BugZilla ticketing support concerning to DVSA & NYCS and forecasting debugging and tracing skills in fixing any sort of bugs
- » Adherence to the Design/Requirement and following defined guidelines laid during implementation with quality peer code reviews and addressing it with comments timely, post-testing all the developmental unit test cases
- » Ensuring Defect Injection rates are addressed and minimized timely by giving proper fix meeting service level targets without Reopen as well as Investigating support escalations thereby, giving quality fix adhering to risk/impact for all the production UAT Issues and Bugs
- » Analysing end to end mapping of user story design by reviewing all the use cases related to the story with the support of product management, QA and coming up with a user story design and technical proposal by approaching stories/feature works to be developed
- » Coming up with the user story design and technical proposal for the stories/feature works to be developed right after, analyzing end to end mapping of user story design by reviewing all the use cases related to the story with product management, QA support
- » Adhere to the defined process compliance and understanding the functional module use cases with the required implementation details
- » Implementing industry standard security practices for robustness and maintain it throughout the lifecycle
- » Hands-on experience insightful knowledge in C#, ASP.NET MVC, N-Tier, ADO.NET, Angular js/2+, OOPS, Design Patterns, LINQ, XML, XSLT, SQL Server 2017, SQL Profiler, Windows Communication Foundation (WCF), Virtual Directory (VD), API, Microsoft Visual Studio 2017 IDE, Internet Information Services (IIS), IIS World Wide Web Worker Process (W3WP), Team Foundation Version Control (TFVC)

Thinksonic Global Solutions Pvt Ltd., Mysore – 26	Full Stack Web Developer	Sept'18 – Oct'19
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Project : **Social Networking Platform for Gamers Community**
 Client : Code&Scale UG
 Team Size : 3 (Followed Kanban Project Methodologies)

Technologies : WebSocket's, CodeIgniter, JavaScript (Node.js, Socket.io, Express.js, Ajax Long Pooling), MySQL (PL/SQL), Google API, XAMPP, Git, Cloud Hosting Platform Servers such as GCP, AWS (EC2 Instance), Heroku, private dedicated hosting service

Description : Project Aimed at creating real-time communicating platform for broadcasting message feeds from our profile wall to friends wall having comment and likes to individual threads, with privacy settings enabled to view whom can read, make posts, comments and likes to feed (Everyone, Friends of Friends, Friends, Only Me), creating separate web-chat windows for adding members, friends and team with real-time notifications, Rating players game skills, Gaming support, Hall of fame, Tracking of players network location to schedule matches with opponents with the real-time chat-based app

Key Deliverables:

- » Being a Full Stack Developer, proactively involved in POCs, investigating, researching, identifying performance bottleneck and improving App performance, designing of relational database schemas, writing and tuning of stored-procedures (cursors, prepared statements, views), UI/UX Issues, unit testing, web security strategies (SSL, XSS, CORS, CSRF, SQL Injection),
- » Collaborated with cross-functional teams to gather tech stacks and to define, design and develop applications from scratch
- » Translating business requirements into system design by analysing and determining technical requirements from user perspective
- » Provided application programming, support & maintenance to other live projects and supported peer code reviews
- » Supported deployment in setting up of instances in Google Cloud Platform, Amazon Web Services, Heroku and some Private Dedicated Servers as a platform to host websites & web API via SFTP and resolved some of the technical issues relevant to the cloud server
- » Deployed hosting of projects in cloud such as Angular 2+ to production environments, publishing ASP.NET App sites enabled with IIS

Accomplishments:

- » Single-handedly implemented coding REST API calls with third-party application solutions which enabled near real-time monitoring of Woo Commerce order-based surveillance that highlighted potential intentions of the marketing growth strategy of the sales activity, which ultimately led to raise in the Company's production overall growth rate interfaced to "[Exact Online](#)" web-based sales dashboard
- » Optimizing application connection pooling performance to load at-least 1.5K+ peak users who are logged in concurrently and analysing numerous Slow Query Logs from the SQL scripts, thereby optimizing & tweaking those, and testing their load performance with load Runner, JMeter
- » Followed cost-saving approaches for real-time streaming of videos from multiple sites, such as YouTube, Facebook, DailyMotion & soon
- » Configured dedicated and cloud *nix-based servers with written cron job scripts, Firewall and Let's Encrypt Certificate SSL on HTTP

Sintheetaa Technologies Pvt Ltd., Mysore – 17	<i>Software Engineer</i>	Jan'18 – Aug'18
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Project : **BluEmber**

Client : Argent Solutions Private Limited

Description : Providing B2B service based dropshipping of online products from vendors (wholesales/sellers) to buyers (retailers/re-sellers) by importing to their account and can sell the variety of product categories to the customers through their websites via REST API from OpenCart to OpenCart, OpenCart to WordPress sites via WooCommerce support

Technologies : OpenCart, WordPress, WooCommerce, MySQL, REST API, LAMP, Linux OS(Ubuntu)

Project : **Coorgle**

Client : Sintheetaa Technologies Private Limited

Description : Providing Dropshipping of E-commerce products from vendors (wholesales/sellers) to buyers (retailers/re-sellers)

Technologies : Laravel 5.5, MySQL, REST API, 91SMS, Guzzle, LAMP, Linux OS(Ubuntu)

Responsibilities:

- » Developed in building WooCommerce REST API and OpenCart REST API from scratch for integrating & importing the products from BluEmber.in to many other go-live websites having framework such as WordPress & OpenCart and also upgraded and downgraded OpenCart REST API versions supporting to stake holder/client-side servers of OpenCart framework while integrating
- » Concurrently exported 8k-16k E-commerce product items from BluEmber to destination server (OpenCart) via REST based API interface synchronizing all the items metadata (images, description, size, price, categories by taxonomy classification) browsed go-live to customer
- » Modified PHPVibe – Video CMS framework to support API for importing and exporting online videos by generating secret keys
- » Providing post-implementation, application maintenance, and enhancement support to the client via WHMCS ticketing support concerning to the services that were delivered
- » Linux OS is used as a core, to code and build all the modules with the help of XDebugger, a profiler with K-cache Grind, and later uploaded it to a server in visual studio code editor with SFTP support plugin extension

Unilog Content Solutions Pvt. Ltd., Mysore – 02	<i>Intern - Software Engineer</i>	Jan'17 – Aug'17
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Project : **Entity Resolution and Data Deduplication Using Artificial Intelligence in Big Data**

Client : Affiliated Distributors

Technologies : Apache Spark, Hadoop, Maven, Microservices: Spring Boot, Oracle DB, Oracle Warehouse Builder 11g R2, API: Java

Description : The project aimed at resolving the given entity which was to eliminate the duplicate records given in one file by comparing the records from two or more data sources to determine which pairs of records represent the same real-world entity by the process of Machine Learning

Project : **Snowplow — Web based application as a part of web analytics packages (snowplowanalytics.com)**

Technologies : Google Analytics, GitHub, Scala, AWS (EC2, S3 Buckets), Kinesis, Kibana, Elastic Search, HTML, JavaScript, CDN

Description : This is a cloud-native web, mobile and event tracker analytics application developed as a tool that lets you to take control, capture, store and analyze granular customer-level and event-level data in cloud for marketing analytics

Mentored Academic Projects to Graduating Students and Developing Applications on IEEE published papers with distributed team's support

- Project : **Computerized Optimization of Production Scheduling using Genetic Algorithms**
Technologies : Web server: Apache Tomcat; Java Server pages (JSP), IDE: Eclipse EE
Description : The project aimed at producing a variety of products in low-to-medium volume batches and validating the same with Traditional Production Scheduling Rules and automated material handling systems using Genetic Algorithms
- Project : **SPOC: Secure & Privacy-preserving Opportunistic Computing Framework for Mobile-Healthcare Emergency**
Technologies : API: PHP; Back-End: SQLite, MySQL; Web server: Apache, IDE: Android SDK 2.3 integrated with Eclipse
Description : The project aimed at providing computing-intensive personal health information (PHI) during m-Healthcare emergency with the smartphone. From the registered hospital's website critical patients are intimated via SMS & E-Mail
- Project : **Cloud Computing Security from Single to Multi-Clouds**
Technologies : ASP.NET, ADO.NET, SQL Server 2005, IDE: Microsoft Visual Studio
Description : The project aimed for multi-cloud providers to maintain security than has the use of single clouds This work aims to promote the use of multi-clouds due to its ability to reduce security risks that affect the cloud computing user
- Project : **Semantics-Based Automated Service Discovery**
Technologies : Java Server pages (JSP), Hibernate, MySQL; IDE: Eclipse EE
Description : The project aimed for an Automating Service Discovery for both the Semantic-based Service Categorization & Selection. The semantic-based categorization is performed offline at the universal description discovery and integration (UDDI)
- Project : **Embedded Mobile Voting System**
Technologies : IDE: J2ME Wireless Toolkit 1.0.3, Java, SQL Server, Apache Tomcat
Description : The project aimed in an embedding mobile voting system developed for student union elections that allow the voter to vote using his mobile phone instead of going to the polling booth
- Project : **College Management System**
Technologies : Front-End: HTML 5, CSS 3, Adobe Flash Player; API: PHP, Back-End: MySQL; Driver Manager: Nokia PC Suite
Description : The project aimed at building a responsive website like a content management system to view any college-related events & updates. Attendance & marks scores are sent to mobile phones via SMS which was developed in PHP

FUNCTIONAL

- » Following the product life cycle methodology like Agile flavored development methodologies (Waterfall, Scrum, Agile Frameworks, principles); defined under the process framework; ensuring that customer deadlines were met within project budgets
- » Delivering and implementing user stories as per scheduled milestone accomplishing timelines and scope within each sprint iterations
- » Following Test-Driven Development (TDD), expertise in Domain Driven Design, worked effectively with Legacy Code, improving/revising/updating design of an existing code and refactoring those patterns with principles of Design Thinking
- » Adhered to clean code principles, adopted industries standard coding best practices for securing web application from vulnerable attacks, maintaining robustness in code with performance, readability which would pass all the acceptable criteria levels of operational
- » Solid Experience with contemporary quality approach towards clean code principles such as SOLID, DRY, KISS, TDD, BDD, and so on
- » Designing and applying solutions/policies that would meet or exceed functional, operational, performance, analytical and security requirements while minimizing technical risks in implementation
- » Worked on creating tables, views, triggers, sequences, constraints, Stored Procedures, Functions, and Packages using SQL, and PL/SQL based on the documented user requirements and optimizing/tweaking slow query logs
- » Adept at carrying out continued improvement of quality in code and Deft with implementing processes in line with the guidelines
- » Measuring performance benchmarks of complex data structures and algorithm with its impact analysis and Big(O) notations technique
- » Proficient at debugging sophisticated problems using interactive development tools, logs, and/or IDE
- » Conducting information research through POC & various material source and handling the project design as per RFIs/RFPs, information architecture, writing test case scenarios, design specifications, prototype creation, quality assurance test
- » Gathering & analysing data in support of business use cases by conceptualizing system requirements based on SRS for integrating system defined at HLD, thereby suitably providing inputs to create components of LLD at unit level of the code
- » Resolved resource memory corruption and other technical issues by leveraging strengths in coding, debugging and integration testing
- » Meeting deadlines and Turnaround Time without compromising quality norms and defining and adhering to SLAs defined
- » Ensuring codes are well Unit tested at every level of the component, defined at LLD level, post Integrating with system specific to HLD, system is built with the given SRS. Finally Accepted via gathering & analysing data in support of business cases specifications
- » Laid strong foundation to Analyze, trace, debug and report software defects and resolve complex technical issues and drive innovative approaches thriving to improve system availability, resilience and performance
- » Adopt agile methodologies to continuously release and deploy with in each incrementations to the services kept in product back logs
- » Exposure in Rapid Application Development (RAD), Application Penetration Tools, Progressive Web Application, Web Accessibility compliance standards (to Section 508, ADA, WCAG 2.1) and contributed to open-source collaboration coding tools/projects
- » Provide architectural and practical guidance to software development to improve resiliency, efficiency, performance, and costs
- » Adroit in conducting GAP analysis by liaising requirement documentation, validating the needs in conjunction with onsite/offshore team
- » Help to drive best software practices in code to avoid incidents or be more resilient to environment instability

TRAINING / CERTIFICATIONS

- » Pursuing Microsoft Azure Exams: Fundamentals (AZ-900), AI Fundamentals (AI-900)
- » Python Programming and GUI Tutorial from Udemy
- » Oracle Certified Associate (OCA) securing 95% (Oracle Testing ID: OC1559632)
- » OCP – 1 (SQL) Certification from ORACLE University
- » Oracle Database 11g: Introduction to SQL, Administration Workshop I & II at ConsultNCorpTrain, Pursuing (OCP)
- » Core Java Programming Language using SE6 at NIIT, Mysore
- » Completed the course in Design & Analysis of Algorithms (DAA) online course administered by Microsoft Research, Bangalore, India
- » Microsoft Visual Studio in .NET (C#, Win Forms, ASP, SQL Server)
- » C-Programming language

TECHNICAL SKILLS

LANGUAGES	: JavaScript Libraries – (Angular 2+, Node.js, jQuery, TypeScript, Angular.js, Vanilla JS), JAVA, C#.NET, PHP, Python, HTML/5, Ruby on Rails, Perl, android, C/C++
WEB TECHNOLOGIES	: WEB 2.0, AJAX, REST API, XML, DHTML, CSS/3, XHTML, Bootstrap, JSON, Node.js – (Socket.io, Express.js), PHP – (Laravel, CodeIgniter, Symfony), Python – (Django)
.NET TECHNOLOGIES	: .NET 7.2.1/4.5, MVC 4.0/3.0, C#.Net, ASP.Net, ADO.NET, LINQ, Entity Framework, .NET Core, T-SQL
JAVA TECHNOLOGIES	: Apache Spark, Springs, Spring Boot, Spring MVC, Hibernate, JDBC, J2EE, Servlets, JSP, JSF, Maven
DEVELOPMENT TOOLS	: VS Code, Microsoft Visual Studio, Eclipse IDE, SQLyog, dbForge Studio, JDeveloper, IntelliJ IDEA, PyCharm
APPLICATION SERVERS	: Apache Tomcat, WebLogic 11g, Python-WSGI HTTP Server
WEB SERVERS	: Apache HTTP Server, IIS, NGINX, LightTPD
DATA SERVERS/RDBMS	: PL/SQL, MySQL, MS SQL Server, T-SQL, Oracle 9I/11g, MariaDB, MS Access, PostgreSQL
NoSQL	: Hadoop, MongoDB, Redis
CMS	: OpenCart, WordPress, OroCRM, PHPVibe - Video
DEV/BUILD TOOLS	: Maven, Android SDK Platform Tools, Android Studio, Adobe Dreamweaver (WYSIWYG)
ETL TOOLS	: Oracle Warehouse Builder 11g R2
CLOUD TECHNOLOGIES	: GCP (Google Cloud Platform), AWS (Amazon Web Services), MS Azure, Heroku
PENETRATION TOOLS	: OWASP Zed Attack Proxy (ZAP), Burp Suite, VAPT Tools, Wireshark
ACCESSIBILITY TOOLS	: JAWS, NVDA, Chrome Vox, Wave, Axe, ARC, Lighthouse
VERSION CONTROL SYSTEM(VCS) / SOURCE CODE MANAGEMENT(SCM) / REVISION CONTROL SYSTEM(RCS)	: GIT, GitHub, GitLab, Bit Bucket, TortoiseSVN, Azure DevOps, Team Foundation Server (TFS) Visual Studio Team Services (VSTS)
OTHER SOFTWARES	: Fiddler, Postman, Jenkins, JIRA, Putty, FileZilla, Bitwise SSH Client, MS Office (Excel/Access), LAMP, XAMPP, WAMP, Oracle Enterprise Manager 11g Release 2 Grid Control

EDUCATIONAL QUALIFICATION

- » B.E. in Information Science from VidyaVardhaka College of Engineering, Mysore, Visvesvaraya Technological University in 2015

EXTRA CURRICULAR ACTIVITIES

- » Participated in "Design Thinking Intro" as a part of soft skills trainings from ExcelLearn conducted by Excelsoft Technologies
- » Participated in Coding Hackathons for learning & upskilling, thus improving debugging, tracing, analytical & problem-solving skills
- » Participated in Microsoft AI workshop which is a joint certificate offered by Microsoft and NASSCOM FutureSkills®
- » Participated in Microsoft Azure Virtual Training Day: Fundamentals, an on-site event conducted by trained professionals certified from Microsoft's Gold partner, at Radisson Blu Plaza Hotel in Mysore
- » Participated in Microsoft technical seminar conducted by Microsoft Virtual Academy (MVA) on securing "Programming in C# Jump Start" certificate from MVA held at NIIT, Mysore
- » Our academic project was selected in the JED - I project challenge held at IIS, Bangalore
- » Completed the course in Power Searching with Google administered by Daniel R. Russell, Research Scientist for Google
- » Participated in Infosys Campus Connect program

ACADEMIC PROJECT

Title	: Cooperative Download in Vehicular Environments
Technologies	: C#.Net, WinForms, Wireless APs, Nokia PC Suite, IDE: Microsoft Visual Studio Ultimate 2010
Description	: The project aimed to download offline geographic maps file from road-side Access Points for the vehicles equipped with isolated communication interface and real-time updates will be informed through text SMS

PERSONAL DOSSIER

Date of Birth	: 22 nd November 1991
Oracle Database 11g	: Oracle 11g OCA Credentials
Developers Community	: Stack Exchange (Stack Overflow) , C# Corner , Reddit , Code Project , MSDN Forums , ASP FORUMS , ASP.NET Forums , Medium , SlideShare
Port Folio	: About Me , GitHub , LinkedIn
Languages Known	: Kannada, English and Hindi
Permanent Address	: Brindavan Extension, Mysore – 570 020