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|  | Shanmuga  #Ringwood, Melbourne #0417608661, #[notifyshan@gmail.com](mailto:notifyshan@gmail.com), #<https://www.linkedin.com/in/shanmuga-ks>  Summary   * 15+ years of commercial software industry experience. * 6+ years of system design & architecture experience in various capacities like Architect & Designer. * 6+ years of Technical team leading, coaching & mentoring of software development teams. * 12+ years of experience as Senior Developer & Lead Developer. * 4+ years of Azure Cloud development experience. * 2+ years of AWS cloud development experience. * 1+ years of experience in Devops pipeline setup for CI/CD on premise, Azure and AWS platforms. * Experience in communicating with customers, vendors, BA, developers & other stake holders. * Experience in complex system analysis, design and high-level estimation. * Experience in Conceptual architecture, Solution Architecture and detailed design documents. * Experience in big picture presentation, brainstorming ideas and concepts to various stake holders. * Enjoys in improving software process, quality and executing best practices in software engineering. * Spends quality time in exploring new tools & technologies   Skills   * **Cloud Development**   Azure – Web Apps, WebJobs, Cloud service, API gateway, Functions, IoT hub, Storage queue, Service bus – 4+ years  AWS – SQS, Lamda, Dynamo DB, DAX, SNS, S3 Bucket, API gateway, – 2+ years   * **Machine Learning & Chat Bot**   Deep learning, Amazon Lex, Dialog flow, Amazon sagemaker, Amzon Comprehend, Polly, Sumerian – 1+ years   * **Devops**   AWS stack - Cloud formation, SAM template, Code star, Code Build, Code Deploy, Code pipeline Azure stack – VSTS, TFS, ARM templates, Infrastructure as Code, PowerShell script, Azure Kubernetes service (AKS)  On premise - MS Build, Team City, Octopus, and TFS; Docker, Kubernetes   * **Web Development backend**   Microsoft – C# .Net , .Net core, Asp .Net, MVC, Web Api, LINQ, Entity framework, IIS – 12+ years  Java – J2EE, Jsp, Servlets, Spring, Tomcat – 3+ years  MEAN stack – MongoDB, Express.js, Angular, node.js, Mocha, Chai, axios – 1+ year   * **Web Development frontend**   HTML5, CSS3, Javascript – 9+ years  AngularJS, Typescript, Bootstrap – 2+ years   * **Database**   SQL – SQL server, T-SQL, PL/SQL, Oracle – 12+ years  No-SQL – MongoDB, Neo4j, DynamoDB, Cos – 2+ years  Enterprise Search – Apache Lucene, Solr, Elasticsearch – 2+ years **Design & Architectures**  Architectural patterns, Integration patterns, Microservices patterns, GoF Design patterns, SOLID design principles, OOD. RESTful, UML, Enterprise Architect, MS Visio, N-tier, Service Oriented Architecture, Microservice, SaaS model   * **Tools & Technologies**   Fiddler, NUnit, MS-Test, Rhino mocks, JIRA, Confluence, Swagger, Slack, Skype  TeamCity, MSbuild, Nuget, Github, Bitbucket, Tortoise, Source tree, TFS  ZeoMQ, RabbitMQ, MSMQ, NPM, Gulp, Grunt, bower, WebPack,  Education   * Bachelor of Engineering in Electronics, fulltime, 4 years, 2003. * Software Design & Architecture Certification by Siemens, 2013. * Scrum Master certification by Scrum Alliance, 2013   Experience Engineering Team Lead / Architect (since Jul 2018), Capgemini (Contractor), Melbourne  In this role as Software Architect/Engineering Lead at Capgemini, I led the design, architect and development of Artificial Digital Assistant (AIDA) - Chabot platform product, built on AWS cloud with server less lambda based on Microservice architecture using node.js. This Chabot solution involves multiple channels (text, voice & Rich UI) including Facebook messenger, Mobile SMS, Amazon Alexa, Echo & Reverb, Google Assistant, Web browser & AWS Sumerian based kiosk. It uses Google Dialog flow agent & Amazon Lex runtime. Responsibilities:   * Designed and developed POC in 10 Weeks in AWS cloud stack. * Supported strategy team to draft product technology roadmaps. * Evaluated Chatbot Engine platforms. * Drafted conceptual architecture for production. * Defined Devops pipelines for Node.js based Serverless project using SAM templates. * Defined Unit testing strategy. * Defined testing strategy. * Defined Code Quality Metrics. * Assisted in defining Integration Architecture by working with Integration Architect. * Define SAD architecture.   Technologies used in project: node.js, Javascript, AngularJS, typescript, HTML5, CSS3, mocha, chai, Visual studio code, AWS - Lambda, API gateway, DyanomoDB, DAX, S3 Bucket, Lex, Sumerian, Comprehend, Polly; Google Dialogflow, Python, Swagger, Cloud formation, Code star, Code Build, Code Deploy, SAM templates, Atlassian JIRA, Confluence, Github, Mulesoft, python.  Solution Designer (Aug 2017 to Apr 2018), AustralianSuper (Contractor), Melbourne  Responsible for lead, design, architect, development and delivery, of Microservice platform project and leading a team of seven. In this role, 80% of time contributed towards development team and 20% of time towards all other stake holders. Responsible for design, architect and development of Microservices platform as part of digital transformation program. Sometimes required to wear multiple hats like Senior Developer, Designer, Business Analyst, Devops & Architect. Recently delivered project which comprise 7 microservices including front end in the span of 5 months.  Responsibilities:   * Broke down of requirements into Microservices. * Defined each Microservice scope and responsibility. * Defined Microservice data management. * Defined Microservice deployment strategy. * Defined cross cutting concerns like logging, authentication & authorization, error handling and exception handling. * Define non-functional requirements tactics. * Estimated both high level and detailed level. * Defined Microservice fault tolerance tactics using Poly framework. * Defined Microservice testing strategy like unit testing BDD spec flow * Defined Microservice versioning strategy * Defined detailed design template. * Defined continuous integration & continuous deployment pipelines ( Team city, Octopus). * Defined Code Quality Metrics. * Drafted conceptual architecture. * Defined Solution Architecture Document involving project business case, scope, constraints, risks & mitigation plan, key design decisions, security considerations, disaster recovery plan, etc., * Worked on to get SAD approval from customer which involves multiple meetings and reviews. * Mentored developers to understand design goals by conducting multiple workshops on various topics. * Reviewed code and detail design Follow Agile/ Scrum Methodology. * Technologies used in project: Azure web Apps, PaaS, Redis cache service, .NET 4.7, .Net core, VS 2017, Enterprise Architect, Visio, SQL Server, Axway, Azure API Gateway, C#, Web API, Web Apps, WebJobs, Poly, Swagger, Confluence, Team city, Octopus, Nuget, MS Dynamics, powershell, ARM templates, Bitbucket, Source tree, Gulp, WebPack, tortoise, Fiddler, Specflow, New Relic, ForgeRock – CIAM, LINK, OAuth2, react JS, Sitecore, HTML * Team Lead cum Application Architect (Nov 2016 to Aug 2017), MMSG (Contractor), Melbourne   Responsible for design, development and delivery of both onsite & offshore team for MMSG’s products like Remserv (web based), Sherlock (desktop based) & Maxxia (web based).   * Technologies used in project: C# .NET, VB .NET, ASP .NET, .Net 4.5, .Net core, MVC4, HTML5, CSS3, Javascript, Bootsrap, Angular2, Typescript , Grunt, Nuget, TFS-2015, T-SQL, SQL server 2012, Entity framework., Umbraco, Enterprise Architect, UML, Design patterns, MS Dynamics, RESTful API * Application Architect (Jun 2016 to Nov 2016), CHEP (Contractor), Sydney   Responsible for design, development and delivery of both onsite & offshore team CHEP’s for enterprise e-commerce website to place orders of their product, hosted in Windows Azure platform. This is Platform-as-a-service (PaaS) application deployed as Azure's cloud service. Successfully developed POC of CHEP dashboard for SIMCom -T532 device using Azure IoT hub. Initially worked remotely and then worked full time at onsite.   * Technologies used in project: Azure App Service- Web Apps & Cloud service ( prod), Azure SQL Database service, C#, Entity framework, AngularJS 1.6, Javascript, HTML, CSS, Git, SourceTree, JIRA, SQL service, Azure IoT hub, Stream Analytics, Storage queue, service bus queue, MongoDB, PowerBI, Powershell, Azure Device Management, Bower, Azure based Active directory, Web API, Swagger , BitBucket, Fiddler, Crucible, Enterprise Architect, Visio, UML, Design patterns, Integration patterns. * Senior Software Engineer (Jul 2016 to Sep 2016), The Search party Pty Ltd ( Contractor ), Sydney   Sydney based start-up product - AI platform which provides market place for employer, recruiter and job seeker, which drastically reduces recruitment time in finding high quality resource and lot of valuable predictions and suggestions.   * Technologies used in project: C#, ASP .NET, Entity framework, MS-SQL server, Web API, MongoDB, Apache Solr, Neo4j, CentOS, Swagger - Swach buckle, HTML5, CSS3, Javascript, Bootstrap, AngularJS, Svn, Tortoise, BitBucket, Source Tree, Fiddler, JIRA, Crucible, Postman REST client, Kubernetes, Docker * Full stack developer (Apr 2016 to May 2016), Spacer.com.au ( Contractor), Sydney   With decade years of IT experience migrated from Bangalore, India in March 2016, joined this startup as Full Stack Developer Intern with an objective to learn and adapt multicultural differences. Involved end to end design & development of website, third party API integration.   * Technologies used in project: HTML5, CSS3, JQuery, AJAX, Javascript, Angular JS 2.0, Typescript, Bootstrap framework, ASP .NET web API, LINQ, Entity framework, Java, Spring Boot, Ruby on Rails, Nginx, Google Maps, Google Analytics, Twitter Analytics, Near me, Slack, Skype, Amazon API gateway, Kubernetes, SQS, Lamda, SNS, S3 * Principal Software Engineer (Aug 2013 to Feb 2016), EMC-DELL ( Permanent), Bangalore   As a Team Architect for a Scrum team of nine developers, developed and supported MyDocumentum product suite, involves four products, MDD-WIN (MyDocumentum-Windows), MDD-WEB (MyDocumentum-Web), MDD-Sharepoint (MyDocumentum-Sharepoint) and MDD-MAC (MyDocumentum-Mac-osx). Using Scrum, the technical aspects of this role were roughly 80/20 split between C++, C# and Java. Development was managed in two-week sprints.   * Technologies used in project: C#, VB .NET, ASP .NET 4.5, MVC 5, Web API, .NET Identity, OData, IIS 8.0 / 7.5, TeamCity, MSBuild, JQuery, AJAX, Javascript, AngularJS, Bootstrap, Spring .NET, WCF, WPF, WinForms, Sharepoint 2010 / online, Office 365, CSOM, SSOM, JSOM, SharePoint REST services, MS SQL server, Oracle, PL/SQL, Java, MacOSX, Tomcat, RESTful, SOAP, JSON, XML, OpenID, OAuth, SSO- Kerberos, Visual studio / 2013, IntelliJ, Selenium, RabbitMQ, MSMQ, Kafka, Elastic search, Apache Solr, Apache Lucene core, Kibana, chart.js, MEAN stack, Enterprise Architect, UML, Design patterns, Integration patterns, SOA. * Software consultant (Jun 2007 to Jun 2013), Siemens (Permanent), Bangalore   During 6+ years of journey with Siemens, worked in Syngo Imaging – PACS - Health care - SaaS product as Lead Engineer & SICAM PAS PCCN – Substation Automation – based on SOA architecture, Energy product as Software Product Architect.   * Technologies used in Healthcare products: C#, ASP .NET 3.5, WCF, WPF, Winforms, .NET Remoting, NUnit, Rhino Mocks, IIS (7.0), MS-SQL server, Visual studio 2008 / 2010, Eclipse, VC++, Win32, MFC, STL, ATL, COM, DICOM, HL7, HIPAA, SOAP, Java, Servlets, Oracle, SQL, PL/SQL, Apache tomcat, Enterprise Architect, Visio, UML, Design patterns. * Technologies used in Energy products: C#, VB .NET, ASP .NET 4.0, MVC 3, JavaScript, IIS 7.5 / 7.0, Rabbit MQ, MongoDB, D3.js, Web API, LINQ, WebDeploy, NHibernate, WPF, VC++., Clearcase, Enterprise Architect, Source Monitor, Simian, FxCop,.NET memory profiler, WinDbg, PCLint, BOOST, TCP/IP, UDP/IP, Visual studio 2010 / 2012, Webstorm, MS-SQL server, RESTful web service, SOAP   What colleagues said about me?   * **Anirban Gupta, CEO of Adapt Ideations, Sydney**   Shanmuga (or as we fondly call him - Shan) is one of the most sincere and trusted individual I've met and known in my professional life. Shan came into our dotNet project for a global client when things were completely in a meltdown state. It was Shan's patience, acumen and perseverance that not only rescued the project but also took it to an altogether different quality level. Shan's technical skills and ability to clearly articulate the business scenarios along with a sound design make him an extremely versatile operator and an asset to any team who can very easily pick up challenging assignments and deliver to promise.   * **Vanessa Strong, Business Analyst at RemServ, Melbourne**   After providing Shan with complex requirements he was able to understand and efficiently complete development. When providing further requirements and solutions he took these on board without any fuss and got the job done.   * **Franc Santos, Senior Full stack Engineer, Contractor at AustralianSuper, Melbourne**   Working with Shan was a great experience. He's got vast knowledge in architectural software design and also in translating functional requirements into system specs that the dev team could rely on. He's the kind of architect that is still a hardcore developer, so apart from designing solutions, he would actually code the core components of what he's expecting the team to consume so the dev team can focus solely on the business logic. Shan was a great asset of the team. I hope that anywhere I work I can find someone as knowledgeable and approachable as him.   * **Shiju Thomas, Project Manager, ANZ, Sydney**   Shanmuga worked with me as an architect. He was very committed and got one of the complex project completed. He is very much result oriented and pays attention to the details. He can definitely add value to any team.   * **Lincy Rose, Scrum Master, Adelaide**   I have worked with Shanmuga at Siemens for around 2 years. He is tech savy who understand the situation quickly. The way he delivers flawless solution is too impressive. He always had tremendous ideas and was always supportive of colleagues and business partners, even when his own workload was overwhelming. He is deadline oriented and a customer focused strategist. It was a pleasure to work with Shanmuga . I am sure he will be a great asset to whichever team he works for.   * **Smaran Subbaiah, Lead Engineer, Siemens, Bangalore**   What captured the most about Shanmuga is his thirst to learn and master it to perfection. He presented the best technical solutions to problems and delivered them. He lived the principle of Code wins arguments. He is a great asset to any team and was a valuable architect in my team. His foresight in technical discussions was on point. Shanmuga All the very best for your future endeavors.   * **Prashantha, Senior Manager, OpenText, Bangalore**   Shanmuga is versatile in his technical & design skills. He always looks for challenging tasks, gets involved & addresses them to core. He doesn’t compromise & gives the best optimal design/approach & stretches himself to achieve his goal. He always loves to get involved in technical & design discussions & plays a prominent role & provides constructive feedback. He is very creative, dependable, hard worker, perfectionist & sets good standards. I would recommend him for any role that would excite him technically.  To see all 50+ recommendations, please login to LinkedIn and access my profile <https://www.linkedin.com/in/shanmuga-ks> |