Durgaprasad Budhwani

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aws ✔ CERTIFIED
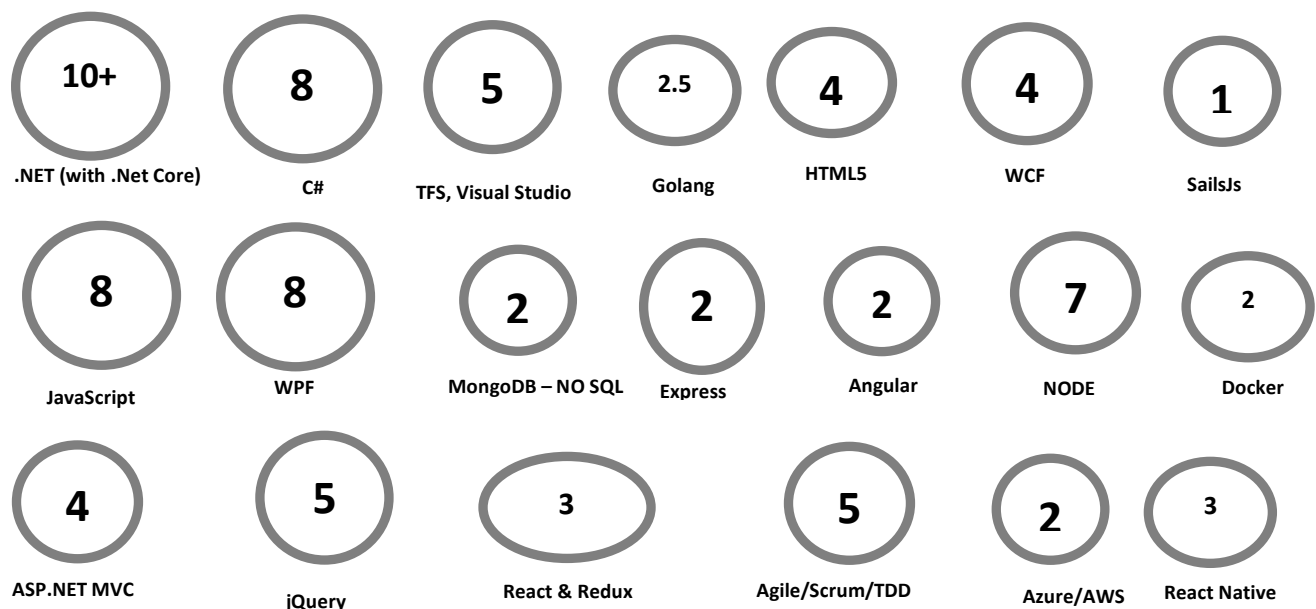Developer - Associate

Profile

- **.NET/Golang and JavaScript Application Development Expert** with **total 11+ years of hands-on experience** in design & developing software products using **.NET Framework 2.0, 3.5, 4.0 & 4.5, C#, Windows Desktop Application (WPF & WinForms)**, **SQL & NoSQL (MongoDB)**, **NodeJS, Golang, Angular, React, AWS Lambda** & tools such as **Microsoft Visual Studio (up to 2015), WebStorm, Goland** along with **Microsoft Team Foundations Server (TFS), GitHub, Bitbucket** and **Gitlab.**

- Strong hands-on experience in **'SOLID'** Principles & **Object Oriented Programming (OOP)** using **C# and ECMAScript 6 (ES6)**.

- Strong hands-on experience in **Agile Methodologies**, **Test Driven Development (TDD & Unit Testing)**.

- A good communicator with **excellent interpersonal and organization skills**, comfortable working with people at any level in the organization & excellent ability to work as an **independent contributor**.

- Worked as **Senior Full Stack.Net, Node and Goalng Developer for 5 years**, which covered mainly **technical solutions design, day-to-day coding, bug fixing, code reviews** & overall **end to end continues integration**.

- Currently working as **Full Stack Developer** at Aula Education.

- Published various articles on Golang language at medium.com and LinkedIn

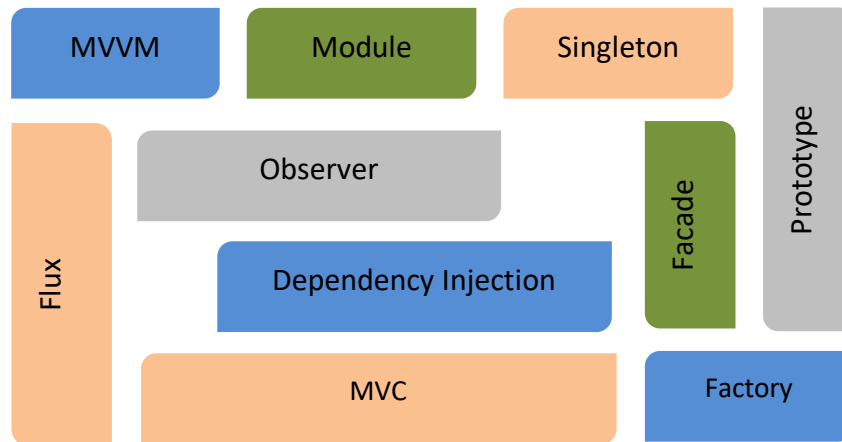- Published few videos on Serverless Framework using Golang on YouTube

Technology & Management Certifications

- AWS Associate Developer Certification - 96% (May - 2018)

- Mastering Go Programming by Udemy.com (2017)

- C100DEV: MongoDB Certified Developer (License Number - 447-731-991) - April 2015

- M101JS: MongoDB for Node.js Developers – May 2015

- SCJP (Sun Certified Java Programmer) – 100%

Technology Skills (in Years)

Skill	Years
.NET (with .Net Core)	10+
C#	8
TFS, Visual Studio	5
Golang	2.5
HTML5	4
WCF	4
SailsJs	1
JavaScript	8
WPF	8
MongoDB – NO SQL	2
Express	2
Angular	2
NODE	7
Docker	2
ASP.NET MVC	4
jQuery	5
React & Redux	3
Agile/Scrum/TDD	5
Azure/AWS	2
React Native	3

Design Patterns

MVVM	Module	Singleton	
	Observer		Prototype
Flux	Dependency Injection	Facade	
	MVC	Factory	

Technology Skills

- **Front End Development** – Hands on experience with **AngularJs, Angular UI Router, Angular Material, React, Redux, Flux, React-Native, Animated, jQuery, Sass and ES6** (Babel – where the magic happens)**.**

- **MEAN –** Hands on experience on SailsJs (Wrapper over Express), Angular, MongoDB, and Node.

- **Golang –** More than 2.5 years of hands-on experience on Golang language with Concurrency principal (G0-subroutine).

- **AWS Cloud –** Hands on experience with AWS Lambda with Golang and NodeJS language, DynamoDB, SNS, Queue, S3, Cognito, CodeCommit and CloudFormation using serverless framework.

- **.NET Task Parallel Library and BlueBird.Js** – Sound hands-on experience with implementation of parallel programming using.NET TPL and async parallel task using bluebird.js (Promise based implementation to avoid callback hell)

- **ASP.NET MVC & SignalR** – Hands on experience in developing a web application using ASP.NET MVC and **SignalR** related technologies.

- **Task Automation (Gulp and Webpack)** – Hands-on experience in task automation for minifying, packaging, brose synchronize using gulp and web pack.

- **Messaging: -** Hands-on experience with RabbitM and AWS SQS.

- **PhoneGap and React Native** – Hands on experience mobile development using PhoneGap (Cordova) and React Native.

- **Dependency Injection** – Very good understanding of DI concept and hands-on experience in implementing DI using Unity containers. Hands on experience in using **Mocking Framework** (NSubsitute/Mockery)

- **Source Control** – Used with TFS/VSTS, Github, Bitbucket, Gitlab and AWS CodeCommit for project management /source control.

- **UI Test Automation / E2E testing** tool – Used **CodedUI, Protractor, and Appium with Node.js (wd.js)** tools for End to end testing.

- **Third Party Tools/Components** – DotTrace**,** Red Gate Red-Gate (ANTS) Performance Profiler

- **Electron, React, Redux and Webpack** – Good hands-on experience in ReactJS with redux and cross platform electron application.

- **Mobile App** – Sound hands-on experience with React Native for mobile development with JEST for unit-snapshot testing and Appium with node.js for mobile automation testing.

- Worked on **Docker images and containers** for automates the deployment and easily configured development environment.

Blogs

- Azure Cosmos DB: Build a MongoDB API console app with Golang and the Azure portal. ([Medium](), [LinkedIn](), [Microsoft Docs]())
- Playing with Github API with GO-GITHUB Golang library. ([Medium](), [LinkedIn]())
- Sending Complex HTML email with Mailgun API using Go language. ([Medium](), [LinkedIn]())
- Golang Best Practices — Behavior-driven development and Continuous Integration. ([Medium](), [LinkedIn]())

Open Source Contribution:

- [Active Directory Authentication Library (ADAL) plugin for React Native apps.]()
- [React Native Busy Indicator]()
- [GitHub readme content]()
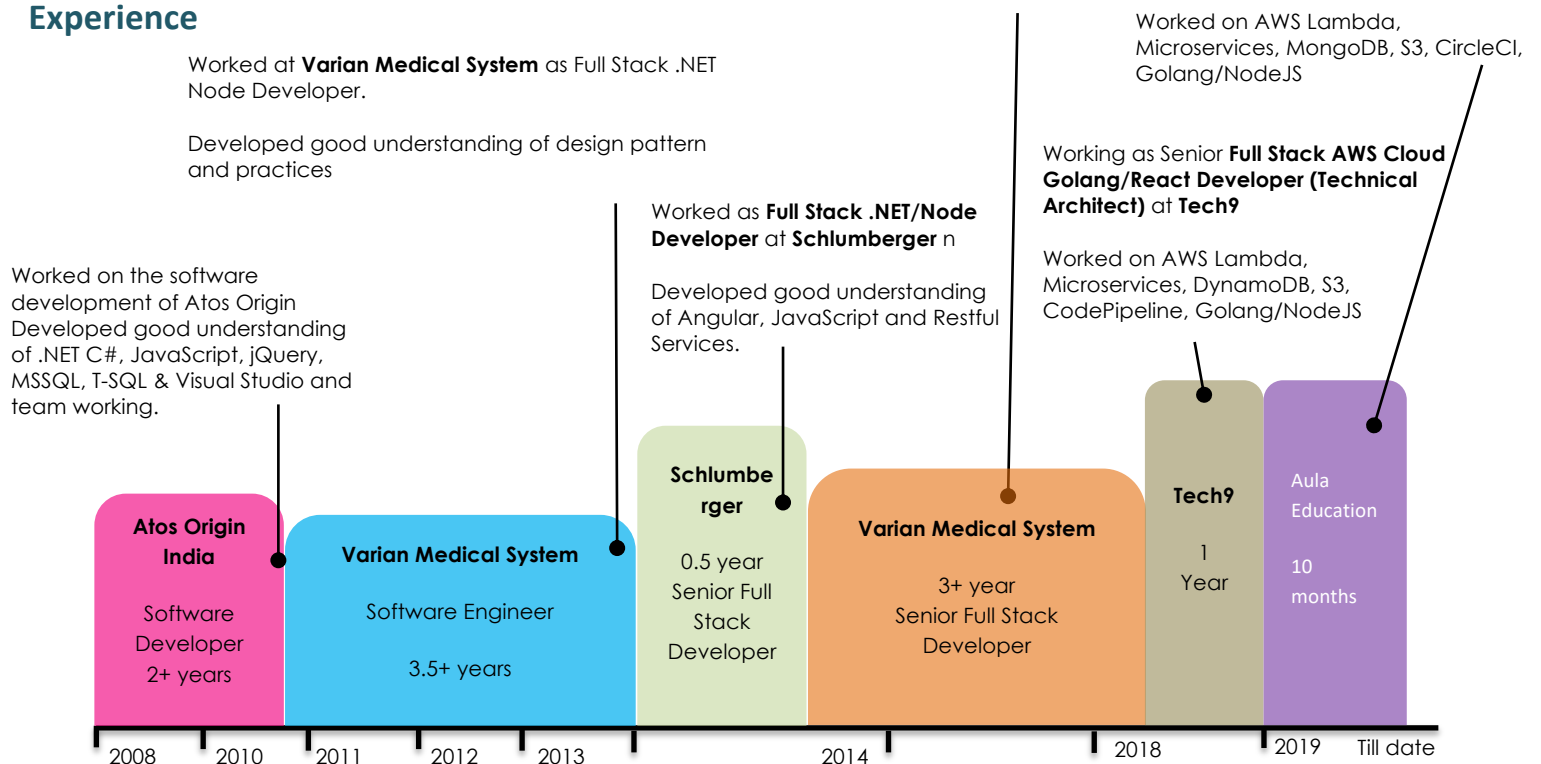- [.Net Framework 4.5 Migrator Script]()

Experience

Working as Senior **Full Stack .NET/Node Developer (Technical Architect)** at **Varian Medical Systems**

Introduced TDD & Unit & Automation Testing. Developed expertise in Scrum based agile practices.

Working as Senior **Full Stack AWS Cloud Golang/NodeJS/React Developer** at **Aula Education**

Worked on AWS Lambda, Microservices, MongoDB, S3, CircleCI, Golang/NodeJS

Worked at **Varian Medical System** as Full Stack .NET Node Developer.

Developed good understanding of design pattern and practices

Working as Senior **Full Stack AWS Cloud Golang/React Developer (Technical Architect)** at **Tech9**

Worked on AWS Lambda, Microservices, DynamoDB, S3, CodePipeline, Golang/NodeJS

Worked as **Full Stack .NET/Node Developer** at **Schlumberger** n

Developed good understanding of Angular, JavaScript and Restful Services.

Worked on the software development of Atos Origin Developed good understanding of .NET C#, JavaScript, jQuery, MSSQL, T-SQL & Visual Studio and team working.

Atos Origin India

Software Developer 2+ years

Varian Medical System

Software Engineer

3.5+ years

Schlumberger

0.5 year Senior Full Stack Developer

Varian Medical System

3+ year Senior Full Stack Developer

Tech9

1 Year

Aula Education

10 months

2008   2010   2011   2012   2013   2014   2018   2019   Till date

Aula Education (March 2019 – till now) – Remote Job:

- Role – **Senior Full Stack Developer**. Responsible for developing Aula Education platform application in **React with Redux** , **NodeJS**, and **Golang**.
- **Aula Web App** – React with Redux
- **Aula Desktop Application** – React with Redux and Electron
- **Aula Mobile Application** – React-native (70% code shared between web and mobile application)

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- **Micro-service architecture** has been followed and code has been deployed in docker containers and AWS lambda along with AWS API Gateway (used serverless framework for deployment).
- **Backend services** – most of the services are written in **NodeJS** and few of them are written in **Golang**.
- **Deployment –** Custom CLI has been written for deployment and CLI has been integration with **CircleCI** for Testing and Deployment. Mobile app deployment is using Fastlane.
- **Consul** for containers service registry and Fabio for request routing. In case of lambda, AWS API gateway has been used.
- **AWS X-ray –** For service health and finding root cause if there is failure in service
- **AWS CloudWatch** for application logs.
- **AWS SNS and Queue** for notification and messaging.
- **Searching –** We have used Elastic Search for full text search.
- **Scheduler –** AWS lambda has been used for scheduling work.
- **Pub/Sub –** For broadcasting message or for sending messages between services or sockets, have used **AWS SNS**.
- **Storage –** For storing data, we have used MongoDB database and for files, we are using AWS S3 file storage.
- **Testing –** For unit testing, integration testing – JEST framework has been used. For E2E testing, nightwatch for web-app and Appium for mobile app has been used.

Tech9 (Cogitech Solutions Jan 2018 – Feb 2019):

Project - NSS:

- Role - **Principal Full Stack Developer**. Responsible for developing NSS web application in **React with Redux** and **Golang**.
- Code has been deployed on **AWS Lambd**a using **serverless framework**.
- Frontend Unit testing using **JEST** and backend testing using **goconvey** and **go mockery**.
- **AWS DynamoDB** is used for data storage and **AWS S3** for file storage.
- **AWS Code Commit** for GIT repo and **AWS Code Pipeline** for continuous integration.
- **AWS Cognito** with User Pool for Authentication.
- **AWS CloudWatch** for application logs.
- **AWS SNS and Queue** for notification and messaging.

Project - TCA:

- Role - **Principal Full Stack Developer**. Responsible for developing TCA web application in **React** and **Golang**.
- Application is deployed on **AWS EC2** and **AWS ELB** is used to split incoming traffic.
- Postgres SQL for data storage.
- **CircleCI** for continuous integration.
- ElasticSearch, Kibana and LogStash (ELK) for log parsing and analysis.

Varian Medical System (Sept 2014 – Jan 2017)

Project - Varian Mobile Application:

- Role - **Senior Full Stack Mobile Developer**. Responsible for developing ARIA mobile application in React Native with redux (redux-thunk and redux-persist) and integration with FHIR API and achieving code quality with **JEST**
- Mobile service developed in Asp.net Core which will make multiple calls to FHIR services to get Mobile UI-specific data.
- The Azure AD is used for authentication and OAuth 2.0 standards have been used.
- The technology stack used is NodeJS, ExpressJS, React Native, Redux, Jest, Appium for automation, TestFairy/Fastlane for CD and TeamCity for CI

Project – Varian Desktop App:

- Role - **Senior Full Stack Node Developer**. Responsible for developing high-level component designs, detailed class design, integration with other components and ensuring the code quality through Unit Tests, CI and Code reviews.
- Working on the migration of Varian WPF desktop application to Electron to make this application independent of any OS-specific platform.
- The technology stack used is. **Electron, React, Redux, Webpack, ES6, ES7, and Docker.**

Project - Jedi

- Jedi is the portal generates on-demand SQL views which will be used by tableau for analytics.
- The user must configure list for data sources (Oracle, MySQL, Excel sheet, MSSQL etc.) in Jedi and it will pull all database into DataMart using SSIS packages and Jedi will provide SSIS tool required information.
- Role – **Full Stack Node Developer**
- The technology stack used is **Golang 1.8, Websocket, AngularJs 1.5 and gulp**

Database Packing Using SQL Server Database Project

- Implement new solution, which will reduce database release cycle from 1 week to 4 hours by end-to-end continuous integration.
- The technology stack used is. **.NET Framework 4.5, SQL Server Database Project, PowerShell 3.0**

Schlumberger India Technology Centre Pvt. Ltd (April 2014 – Sept 2014)

Project - Avocet

- The design of the overall architecture of IO and high-frequency components for mobile/portable device access.
- Development of Model Management component to store and execute PIPESIM, OFM models.
- Architecture design of IO components interacting with simulation engines.
- Architecture Design of handling a large volume of data.
- Development of middleware component to convert Type System (Unstructured) data to business entities.
- Utility to convert Schlumberger WPF extension project to Silverlight extension project. (with Wix Installer)

Varian Medical Systems (Oct 2010- April 2014)

Project - SharedFramework

- The shared framework consists of various components, which are used by Varian application teams for developing the domain-specific application. This framework provides various services and infrastructure to integrate with each other & focus on the domain application development.
- The technology stack used is.**.NET Framework 4.0 & 4.5**, **Inter-process communication using Named Pipes**, **ASP.NET MVC 4, MSMQ, Signal R, Prism Framework, WCF, Node, SailsJs, Gulp, Webpack, AngularJs, and MongoDB.**
- Recently started Native Mobile App using **React Native and Alt.js with React Native Redux Router.**

Atos Origin India Pvt. Ltd Pune (July 2008 – Oct 2010)

Project - Healthcare

- Completed major enhancements to Onsite Network (a portal to manage sites of Cable Network) for a leading US Client. The developed new component with ASP.Net.
- Responsible for conversion of the client's website from a legacy ASP to a modern, object-oriented approach using ASP.Net/C# on the.NET Framework.
- Defined, implemented and enforced development and design standards.
- Coding, Peer Review, UT Script

Significant Achievements

- Above and Beyond award 2018 at Tech9.
- Work Done Award 2017 at Varian.
- Innovation (product, process, technology) Bravo Award 2016 at Varian.
- Received Above and Beyond award (iPhone 5) at Varian.
- Received one Spot Award at Atos and two Spot Awards at Varian.
- Received ECAP (Exception Contribution Award Program) Award at Varian
- Got distinction in the final year of Engineering.
- Gold medalist for first 2 years of Diploma.
- The winner in DIPEX (Diploma Exhibition).
- Won National Level paper presentation at Beed, Maharashtra.
- Second Runner-up in National Level Science Exhibition.
- Finalist in Intel Competition – Created Space Zombies Game in Windows 8.
- Published various articles on Go language at Medium.com and LinkedIn

Educational Qualification

Completed Bachelor of Engineering in Electronics and Telecommunication from PVG's COET Engineering College Pune in 2008.

Personal Details

Date of Birth	5th April 1986
Nationality	Indian