**IVO DACHEV**

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**SUMMARY**

A Data Solutions Engineer who possesses the extremely unique background of a former general contractor, creating an unparalleled ability to bridge the gap between hands-on construction operations and sophisticated data engineering. Proven expertise in designing and building scalable data solutions, from database architecture to Power BI dashboards. Adept at leveraging deep industry knowledge to partner with stakeholders, understand core business needs, and translate complex field challenges into actionable, data-driven insights that drive efficiency and profitability in the construction sector

**Latest Technologies Used & Experience**

* **1 to 2 years**: React, Green Sock GSAP, RxJS, .NET Core 3+, .NET 5, Git, Azure DevOps Repos & CI/CD Pipelines; Azure Static Websites via Blob Storage, Azure Application Insights, Azure Web Apps & Services, Microsoft Authentication Library (MSAL) SSO for Angular, Microsoft Graph, Power BI, TypeScript 2.5+; Microsoft’s Bot Framework 4, Elastic Frameworks, ServiceStack, Text analytics/NLP, Entities, Google Cloud NLP API, PostgreSQL, Oracle Database, AutoCAD API, Elastic Search, Bamboo, RabitMQ, GraphQL API.

**Previous Technologies Used & Experience**

* **2+ Years** - ASP.NET 2.0, Angular 13, 14, 15, Angular Material, Angular PrimeNg, Code First Migrations C#, Open Maps, Webpack, Python (Django app), Node.js, Protractor, Selenium, C# Unit Tests, Mongo DB, Google Charts & TFS API, Swagger Open API, AdTech, HTML5, SCSS, Visual Studio Code, Swagger & Postman, AWS Cloud, Power BI, AWS Lambda Functions.
* **3+ Years**: Team Foundation Server (TFS), PCI compliance & working credit card API’s.
* **4+ Years**: Angular-UI, Bootstrap 3,4,5, CSS3, RESTful API/WebAPI, JSON, responsive design & single page applications (SPA).
* **5+ Years**: ASP.NET MVC, .NET C#, Entity Framework, LINQ, JavaScript, JQuery, SVN, Visual Studio, building MSSQL & MySQL databases.
* **6+ Years**: Configuring & Managing SQL, IIS, CMS (Drupal, Wordpress), Windows Server, DNS, firewalls & load balancers.
* **8+ years:** Successfully implemented SEO, SEM strategies for small and big traffic websites, third parties API Integration.

**Technical Tools:** HTML5, CSS, SCSS, XML, JavaScript, Typescript, Angular10-15, JQuery, Bootstrap (3,4,5), Python, Ajax, C#, .Net Core, .Net 5, SQL Server, SSMS, ASP.NET MVC, .NET Web API, Swagger, ADA,WCAG 2.0/2.1, Telerik Kendo UI, ORM, Entity Framework, Web Accessibility, OOP, Git, SVN, TDD, Azure, Microservices, Identity Server. Automation testing with Cypress, Selenium, Teamcity, Octopus.

**WORK EXPERIENCE**

**Product Owner/Architect/Developer 01/2024 – Present**

**1BuilderMedia Marketing LLC/EDD Sacramento, Ca**

* Partnered exclusively with general contractor clients to design and implement innovative, company-wide data solutions, leveraging direct construction industry experience to identify needs and opportunities.
* Designed, maintained, and enhanced relational database structures to ensure performance and reliability for construction management data, including project costs, scheduling, and resource allocation.
* Built robust connections and generated custom reports from client ERP systems to streamline and automate critical business processes.
* Developed and oversaw API integrations within clients’ managed applications, ensuring seamless data access and interoperability between financial systems, field reporting tools, and project management platforms.
* Engineered and managed efficient data pipelines and transformation workflows using Python and advanced SQL queries to parse JSON data, clean, and aggregate information for analysis.
* Designed and developed intuitive reports and interactive dashboards in Power BI, empowering stakeholders—from site managers to executive leadership—with actionable insights to improve project outcomes

**Hands On Software Architect, .Net 6 09/2023 – 01/2024**

**Incedo Inc / LPL Financial, Remote Sacramento, Ca**

* Designed and implemented scalable microservices architectures utilizing AWS services such as Lambda, EC2, and API Gateway, optimizing backend systems to support high-performance data operations and large-scale application demands.
* Led the adoption and optimization of AWS-centric CI/CD pipelines, implementing disciplined Git workflows and integrating automated testing to enhance release agility, software quality, and rapid iteration in an Agile environment.
* Provided hands-on expertise in integrating cloud services (including AWS components) with existing infrastructure, ensuring seamless data interoperability critical for unified web applications AWS CI/CD pipeline setup, Teamcity, Octopus.
* Collaborated with cross-functional teams to resolve complex infrastructure issues, ensuring high availability and reliability of systems that underpin user-facing applications.

**Software engineer, Architect, Business Analyst, .Net 6, Angular 15 02/2023 – 07/2023**

**CSSI Inc (Federal Aviation Administration), Remote Sacramento, Ca**

* Solemnly responsible for gathering Business requirements and creating new architecture for implementation of a brand-new app from scratch.
* Building a full-fledged app to act as an aggregate/hub for various smaller existing, outdated FAA SharePoint tools.
* Backend: Net6 API with Swagger Interface, Code-first approach, Database first approach, PostgreSQL, Oracle database, implemented RabbitMQ message-oriented middleware model.
* Front-End: Angular 15, template-driven forms, PrimeNg controls.
* Azure DevOps setup, CI/CD pipeline flow.

**Software Integration Engineer, .Net, ServiceStack, Angular 13 09/2022 – 12/2022**

**SF Fire Credit Union, Contract, Remote Sacramento, Ca**

* Analyzing Business requirements and creating new architecture for implementation.
* Converting existing backend ServiceStack v3 to v5, refactoring code base.
* Implementation of GraphQL API for exposing endpoints.
* Converting the old interface into Angular 13, substantially improved UI/UX.
* Implemented Azure CodePipeline for new ServiceStack v5 code base, IIS10 Configuration

**Integration Engineer / API, Angular 13 10/2021 – 09/2022**

**Atos Syntel - HCA Healthcare, Full-time, Remote Sacramento, Ca**

* Analyzing Business requirement and architecting the UI interface together with API team.
* Converting existing .Net-Kendo UI old Interface into modern mobile responsive Angular 13 interface, implemented Elastic search.
* API design and implementation, Cypress testing automation.
* Created a brand new Angular 13 app leveraging Angular Material controls such as their multi-select dropdowns, auto-complete search fields & data tables with filtering.
* Implemented auto-scrolling on data tables for a seamless user experience with lightning-fast queries by structuring the .NET 5 APIs to return small incremental batches of data.
* Pushed user form data instantly into browser screens via Angular Reactive Forms while simultaneously posting the data back to the .NET 5 APIs behind the scenes.
* Utilized Angular Flex Layout to make the app responsive for each user’s device.
* Implemented AWS CodePipeline for Angular in S3, Lambda Functions utilized Atlassian’s Bamboo.
* Create and configure a MongoDB database, define collection and schema, perform MongoDB CRUD and feature operations from a web API, customize JSON serialization.

**.Net Core – Angular Engineer, Architect 11/2019 – 2021**

**Self-employed 1Buildermedia Marketing**

* WIP: Design-Build .NET 6 MVC Microservices, Identity Server Integration with Azure Service Bus, Gateways.
* Building new Windows Form App using .Net 4.5, C#, .NET Entity Framework and SSMS.
* Build an app with ASPNET Core API and Angular10.

**Software Engineer C#, .Net Core Engineer 04/2019 – 11/2019**

**OnCore LLC (California Department of Conservation) Sacramento, Ca**

* Built new modules using .Net 4.5, C#, .NET Entity Framework and SSMS.
* Resolved over 100 ADA/Web accessibility assignments.
* Developed new .Net Core modules.
* Created large-scale healthcare projects involving multiple interfaces from external systems.
* Utilized technology such as Visual Studio, TFS, C#, .Net Core, SQL, SQL Server 2017, Telerik Kendo UI, JavaScript, JQuery, Bootstrap 4.

**Web Developer** **09/2018 – 04/2019**

**Ivo Dachev, LLC Sacramento, CA**

* Built dating website using ASP.NET Core, Angular 6.
* Completed Udemy training and received certificates in C#, .NET Core, TDD technologies.
* Utilized technology such as CSS, HTML5, JavaScript, Typescript, JQuery, Angular 6, C#, .Net Core, ASP.NET Web API, SQL Server, Bootstrap 4, Node.js.

**Web Developer** **09/2017-09/2018**

**Sutter Health** **Sacramento, CA**

* Built turnkey ADA complaint landing pages for the Sutter Health marketing campaigns.
* Designed and implemented an efficient version control process architecture and workflow for Dev team collaboration and document control and management.
* I collaborated with back-end development team to leverage their web services and APIs into my projects.
* Facilitated scrum methodology on code reviews to issue and ensure standards for the team.
* Utilized technology such as CSS, SCSS, HTML5, JavaScript, JQuery, Bootstrap 3, Bootstrap 4, Tortoise SVN, Selenium, Gulp, Webpack, ADA, JAWS.

**Web Developer 03/2017 – 09/2017**

**SF Website Design San Francisco, CA**

* Developed and managed web portals and optimized revenue generating websites including front and backend.
* Created and managed marketing campaigns and PPC ads for clients.
* Utilized technology such as Python, API OAuth, SEO, SEM, Wordpress, .Net Core, Angular 6

**Software Developer in Residence 10/2016 – 03/2017**

**Coding Dojo San Jose, CA**

* I received the Scholarship for Entrepreneurs from Coding Dojo, a software development boot camp and Developed platform independent full CRUD RESTful web applications using Python, DJango, MySQL and MEAN stack.
* Created a semi-automated content creation with Topical classification followed by content syndication.
* Utilized technology such as Python, MEAN stack, Express, Angular 1, Node.js, TensorFlow, Spacy.

**Web Developer 08/2015 – 10/2016**

**SCITON INC Palo Alto, CA**

* Developed and maintained company web portals, both front and backend, trade shows landing pages and products sites.
* Authored web scraping and task automation scripts for integration into the marketing pipeline.
* Fully managed multiple CMS projects.
* Initiated and managed digital and social media support for vendors and contractors and evaluated their performance.
* Utilized technology such as Python, CSS, HTML5, JavaScript, JQuery, PHP, Bootstrap 3, OOP, ASP.NET, Test Driven Development.

**Web/SEO/SEM Consultant** **02/2010 – 10/2015**

**Ivo Dachev, LLC San Carlos, CA**

* Developed and optimized over 55+ revenue generating websites with projects lasting 2 to 4 years: large (20k+ pages), and small (10-100+ pages).
* Google’s niche health market built 24 Android Apps. 13 Apps ranked #1 in Google Play & Google Search.
* Increased SEO rankings by up to 73% on client and personal web properties, which led to a drastic cut in advertisement expenses.
* Coordinated with hands on execution of technical specifications and detailed design.
* Utilized technology such as HTML, JavaScript, CSS, C#, ASP.NET, ASP.NET MVC 4, ADO.NET, Entity Framework, SQL Server, T-SQL.

**Co-Founder/SEO/SEM lead/Developer 07/2012 – 08/2015**

**REALTRAX INC. San Carlos, CA**

* Developed When.me, a mobile app and increased adoption to 4,000 users and 120 merchants.
* Owned the product SEO/SEM roadmap; Co-partnered in design and development of data.
* Utilized technology such as Jira, Github, Javascript, MySQL, Facebook API, Twitter APIs, ASP.NET, SQL Server, TFS, TDD

**Digital Marketing Specialist 01/2007-02/2010**

**MOBILE ELECTRONICS & ASSOCIATES INC San Carlos, CA**

* Increased KPIs by 23% by optimizing marketing automation funnel using Infusionsoft and Marketo.
* Grew company revenue by 17 % yearly by improving SE rankings for multiple terms.
* Utilized technology such as HTML, CSS, Basic JavaScript.

**EDUCATION**

C#, ASP.NET MVC, .NET Core Certifications Bob Tabor @learnvisualstudio.net

2013, 2018

M.S. Forest Science University of Sofia

Graduated: 05/2000 Sofia, Bulgaria