**IVO DACHEV**

**Overview**

**Ivo Dachev is a Principal Software Engineer with over a decade of experience in backend development, cloud architecture, and full-stack engineering. He has led enterprise-scale modernization projects across both public and private sectors, with deep expertise in .NET technologies, RESTful API design, and AI-powered search solutions using Azure and GCP platforms.**

**Key Technical Highlights**

**.NET Development**

* **10+ years of experience with C#, .NET Core, .NET 5/6/8, and ASP.NET MVC**
* **Architected and implemented microservices-based applications using .NET 6 and .NET Core APIs**
* **Built scalable backend systems for government and financial institutions, including FAA, LPL Financial, and California EDD**

**API Design & Integration**

* **Designed and maintained RESTful APIs with Swagger/OpenAPI documentation**
* **Integrated GraphQL APIs and RabbitMQ for asynchronous messaging**
* **Developed secure token-based authentication systems using Identity Server and OAuth**
* **Built APIs for high-throughput data ingestion and real-time UI updates**

**Azure AI Search / Cognitive Search / AI Integration**

* **Led Azure AI Search implementations, including indexer creation, tokenization, and keyword optimization**
* **Served as technical lead for Azure Cognitive Search solutions, replacing legacy ElasticSearch systems**
* **Integrated AI capabilities using Azure AI Foundry and OpenAI models for intelligent search and automation**
* **Delivered AI-enhanced SEO and content delivery systems for public sector platforms**
* **Experience with both Azure and GCP AI platforms, including Google Vertex AI and Azure OpenAI**

**WORK EXPERIENCE**

**Principal Developer 01/2024 – Present**

**1BuilderMedia Marketing LLC/ Consulting for the CA Public sector Sacramento, Ca**

* Lead a complex, enterprise-wide cloud modernization initiative, migrating critical public-facing services from a hybrid AWS and on-premise environment to a secure, highly scalable Google Cloud Platform (GCP) architecture.
* Solely led the development and integration overhaul of Search Engine Optimization (SEO) for the Employment Development Department (EDD), one of California's largest public sector employers with over 9,000 employees.
* Architected and implemented highly scalable, reliable, and secure cloud-native solutions on GCP, extensively utilizing Compute Engine, Google Kubernetes Engine (GKE) for container orchestration, Cloud Functions, and BigQuery for high-performance data analytics.
* Drove technical innovation by engineering and deploying solutions using Generative AI as a critical component, leveraging Google's Vertex AI platform to enhance public service delivery.
* Automated infrastructure provisioning and deployment using Infrastructure-as-Code (IaC) with Terraform, establishing robust CI/CD pipelines for seamless application delivery.
* Led the hands-on migration of complex applications and legacy databases to their GCP equivalents, ensuring data integrity and a seamless transition with minimal downtime.

**Principal Software Engineer 09/2023 – 01/2024**

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

* Contributed to the architectural design for enterprise cloud solutions, primarily within an AWS ecosystem, while initiating the foundational strategy for a long-term migration to Google Cloud Platform.
* Designed solutions leveraging a range of AWS services, including S3, and DynamoDB, which became the basis for future GCP migration planning.
* Architected and orchestrated a .NET 6 microservices environment, ensuring containerization readiness for its eventual deployment on Google Kubernetes Engine (GKE).
* Conducted initial analysis and proof-of-concept projects for moving workloads from AWS to GCP, evaluating services like Cloud Storage and Cloud Functions as modern replacements for S3 and Lambda.
* Set up and managed AWS CI/CD pipelines using TeamCity and Octopus

**Principal Software Engineer 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.

**Principal Software Engineer 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.

**Principal 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