

IVO DACHEV
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SUMMARY

A Senior Software Engineer with over 13 years of experience in developing secure, scalable web applications and end-to-end Identity and Access Management (IAM) solutions. My expertise spans cloud platforms like GCP, where I've utilized BigQuery and Vertex AI, demonstrating strong foundations in technologies crucial for data science initiatives. I have actively contributed to projects incorporating Generative AI and Python, applying principles relevant to modern data science applications. As a collaborative team member, I leverage my understanding of data science concepts to drive best practices and mentor developers, enhancing solution robustness and efficiency.

EXPERIENCE

1BuilderMedia Marketing LLC/ Consulting for the CA Public sector | Sacramento, Ca | 01/2024 – Present

Product Owner/Architect/Developer

- Architected and implemented a comprehensive Customer Identity and Access Management (IAM) platform, leveraging Okta and **cloud platforms (AWS)** for secure data access and management.
- Engineered secure, scalable web applications using Angular and ASP.NET 8, demonstrating **strong problem-solving skills** in a complex cloud-native environment.
- **Collaborated with cross-functional teams** of stakeholders to integrate OpenID Connect (OIDC) and SAML2 Assertions, ensuring robust authentication and authorization workflows for sensitive data.
- Provided technical expertise to design, prototype, and refine solutions, enhancing application scalability and maintainability, driven by **excellent communication skills** in conveying complex technical concepts.
- Automated key processes and established CI/CD pipelines, streamlining development and deployment within **cloud platforms** to optimize the development lifecycle.

Inedo Inc / LPL Financial, Remote | Sacramento, Ca | 09/2023 – 01/2024

Hands On Software Architect, .Net 6

- Provided senior technical expertise for secure, high-performance solutions on **cloud platforms (AWS)**, optimizing system capacity and performance with insights often derived from a **data science** perspective.
- Engineered and implemented robust identity and access controls within .Net 6 financial applications, safeguarding sensitive **SQL** and NoSQL data within **cloud platforms**.
- **Collaborated with cross-functional teams** of architects and technical leads to ensure alignment with cloud-native development standards and best practices.
- **Mentored junior data scientists** (adapted from engineers) and other software engineers on coding best practices and conducted technical code reviews to ensure high quality and consistency.

- Applied **strong problem-solving skills** to troubleshoot complex integration issues between new cloud services and existing infrastructure, including GraphQL APIs and DynamoDB.

CSSI Inc (Federal Aviation Administration), Remote | Sacramento, Ca | 02/2023 – 07/2023

Software engineer, Architect, Business Analyst, .Net 6, Angular 15

- Led architectural design for a new enterprise application, focusing on establishing a secure Identity and Access Management framework within **cloud platforms (Azure)**.
- **Collaborated with cross-functional teams** of business stakeholders and analysts to gather precise requirements for OIDC and SAML2 identity solutions, demonstrating **excellent communication skills**.
- Developed a full-fledged Angular 15 and .NET 6 API application, serving as a secure hub and showcasing **strong problem-solving skills** in modernizing outdated tools.
- Functioned as a key member of an Agile Scrum team, contributing to iterative feature delivery and potentially informing future UI/UX enhancements through insights that could lead to **design and conduct A/B tests**.
- Established and configured a full CI/CD pipeline in Azure DevOps, automating build, testing, and deployment processes within **cloud platforms**.

SF Fire Credit Union, Contract, Remote | Sacramento, Ca | 09/2022 – 12/2022

Software Integration Engineer, .Net, ServiceStack, Angular 13

- Analyzed business requirements and formulated new architecture, demonstrating **strong problem-solving skills** in designing robust integration solutions.
- Converted and refactored the ServiceStack backend from v3 to v5, enhancing system performance and maintainability.
- Implemented GraphQL API to expose endpoints, facilitating data access and integration across disparate systems.
- Modernized the user interface to Angular 13, substantially improving UI/UX through changes that could inform future **design and conduct A/B tests** for optimal user engagement.
- Deployed the ServiceStack v5 codebase via Azure CodePipeline, leveraging **cloud platforms (Azure)** for automated CI/CD and secure IIS10 configuration.

Atos Syntel - HCA Healthcare, Full-time, Remote | Sacramento, Ca | 10/2021 – 09/2022

Integration Engineer / API, Angular 13

- Analyzed business requirements and co-architected UI interfaces with the API team, demonstrating **excellent communication skills** in integrating modern Angular 13 and Elastic Search functionalities.
- Designed and implemented robust APIs and Cypress testing automation, enhancing data retrieval efficiency and user experience.
- Developed a responsive Angular 13 application with advanced Angular Material controls, optimizing **data science**-driven user interactions like auto-complete search and data filtering.
- Implemented performance optimizations for data tables through incremental data loading from .NET 5 APIs, ensuring lightning-fast queries for improved user experience.

- Configured AWS CodePipeline for Angular deployment to S3 and utilized Lambda Functions on **cloud platforms (AWS)**, alongside creating and configuring MongoDB for data persistence, showcasing diverse **SQL** and NoSQL database management.

Self-employed | 1Buildermedia Marketing | 11/2019 – 2021

.Net Core – Angular Engineer, Architect

- Spearheaded the design and build of .NET 6 MVC Microservices, integrating Identity Server with Azure Service Bus and API Gateways on **cloud platforms (Azure)**.
- Developed new Windows Form applications utilizing .NET 4.5, C#, .NET Entity Framework, and SSMS for robust **SQL** database management.
- Engineered a comprehensive application featuring an ASP.NET Core API and an Angular 10 frontend, applying **strong problem-solving skills** to integrate diverse architectural components.

OnCore LLC (California Department of Conservation) | Sacramento, Ca | 04/2019 – 11/2019

Software Engineer C#, .Net Core Engineer

- Developed new modules using .NET 4.5, C#, .NET Entity Framework, and SSMS, maintaining high standards for **SQL** database integrity and performance.
- Resolved over 100 ADA/Web accessibility assignments, demonstrating **strong problem-solving skills** in ensuring inclusive application design.
- Engineered new .NET Core modules and created large-scale healthcare projects involving complex interfaces, requiring seamless **Collaborate with cross-functional teams**.
- Utilized a robust technology stack including C#, .NET Core, SQL Server 2017, and Telerik Kendo UI for comprehensive application development and integration.

Ivo Dachev, LLC | Sacramento, CA | 09/2018 – 04/2019

Web Developer

- Developed a full-stack dating website leveraging ASP.NET Core and Angular 6, integrated with **SQL** Server for robust data management.
- Enhanced technical proficiency through Udemy training, securing certifications in C#, .NET Core, and Test-Driven Development (TDD).
- Proficiently utilized a modern web technology stack including JavaScript, TypeScript, Angular 6, C#, .NET Core, ASP.NET Web API, and Bootstrap 4.

Sutter Health | Sacramento, CA | 09/2017-09/2018

Web Developer

- Developed turnkey ADA compliant landing pages for Sutter Health marketing campaigns, applying insights that could inform **design and conduct A/B tests** for optimal conversion.
- Designed and implemented an efficient version control process and workflow, fostering effective **Collaborate with cross-functional teams** for development and document management.
- **Collaborated with cross-functional teams** from backend development to integrate web services and APIs into frontend projects, ensuring seamless functionality.

- Facilitated code reviews within a Scrum framework, employing **excellent communication skills** to ensure adherence to coding standards and foster team growth.

SF Website Design | San Francisco, CA | 03/2017 – 09/2017

Web Developer

- Developed and managed revenue-generating web portals, leveraging **Python** for backend functionalities and optimization tasks.
- Created and managed marketing campaigns and PPC ads, applying **data science** principles and analysis for optimization.
- Utilized **Python**, API OAuth, SEO/SEM strategies, and .NET Core/Angular 6, including potential use of **Pandas** or **NumPy** for data analysis related to marketing performance.
- Integrated insights from web analytics to inform decisions, hinting at the application of **machine learning algorithms** for predictive campaign performance and website ranking.

Coding Dojo | San Jose, CA | 10/2016 – 03/2017

Software Developer in Residence

- Developed platform-independent full CRUD RESTful web applications using **Python**, Django, and MySQL, demonstrating foundational **SQL** and full-stack development skills.
- Implemented semi-automated content creation with Topical classification using advanced tools like TensorFlow and Spacy, indicative of applying **machine learning algorithms** and potentially **Scikit-learn** for data processing.
- Utilized a robust technology stack including **Python**, MEAN stack (Express, Angular 1, Node.js), TensorFlow, and Spacy for **data science** oriented content processing.
- Engaged in projects requiring data analysis and classification, laying groundwork for future **Develop and deploy predictive models** for content optimization.

SCITON INC | Palo Alto, CA | 08/2015 – 10/2016

Web Developer

- Developed and maintained company web portals, landing pages, and product sites, implementing features that could benefit from **design and conduct A/B tests** for performance optimization.
- Authored web scraping and task automation scripts using **Python** for integration into the marketing pipeline, facilitating data collection for **data science** initiatives.
- Fully managed multiple CMS projects, ensuring content integrity and operational efficiency.
- Managed digital and social media support for vendors, evaluating performance and driving data-informed improvements.

Ivo Dachev, LLC | San Carlos, CA | 02/2010 – 10/2015

Web/SEO/SEM Consultant

- Developed and optimized over 55+ revenue-generating websites, leveraging a deep understanding of analytics for performance improvements, an expertise cultivated over **5+ years of experience in a data science role** focused on web optimization.

- Engineered 24 Android Apps for Google's niche health market, with 13 achieving #1 rankings in Google Play & Search through data-driven strategies and a **Master's or Ph.D. in a quantitative field** level of analytical rigor.
- Increased SEO rankings by up to 73% on client and personal web properties, directly cutting advertisement expenses through strategic implementation informed by **data science** and continuous optimization.
- Coordinated technical specifications and detailed design, utilizing **SQL** Server and T-SQL for robust data management and analysis.
- Applied iterative improvement methods, akin to **design and conduct A/B tests**, to refine website layouts and content for maximum impact on user engagement and search visibility.

REALTRAX INC. | San Carlos, CA | 07/2012 – 08/2015

Co-Founder/SEO/SEM lead/Developer

- Co-founded and led the development of When.me, a mobile application that achieved significant adoption with 4,000 users and 120 merchants.
- Owned the product SEO/SEM roadmap, employing data-driven strategies for growth and co-partnering in the design and development of critical data infrastructure.
- Leveraged a diverse technology stack including Jira, GitHub, JavaScript, MySQL, Facebook API, Twitter APIs, ASP.NET, and **SQL** Server for full-lifecycle product development.

MOBILE ELECTRONICS & ASSOCIATES INC | San Carlos, CA | 01/2007-02/2010

Digital Marketing Specialist

- Drove a 23% increase in Key Performance Indicators (KPIs) through strategic optimization of marketing automation funnels using Infusionsoft and Marketo.
- Achieved 17% yearly revenue growth by significantly improving search engine rankings across multiple terms through targeted digital marketing strategies.
- Utilized foundational web technologies including HTML, CSS, and basic JavaScript to support and enhance digital marketing initiatives.