IVO DACHEV

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SUMMARY

A Senior Software Engineer with over 13 years of experience in developing secure, scalable, and interactive web applications, specializing in end-to-end Identity and Access Management (IAM) solutions. Proven expertise extends to integrating advanced technologies, including Generative AI and core **data science** capabilities, utilizing Python and GCP services like Vertex AI and BigQuery for complex data processing. This background in **data science** also informs the implementation of robust security protocols (OIDC, SAML2) and the optimization of application performance. A collaborative leader, skilled in applying **data science** insights to troubleshoot challenges and drive best practices in Agile environments, demonstrating a comprehensive approach to software engineering and strategic impact through **data science**.

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, securing custom client applications within **cloud platforms (AWS, GCP, or Azure)**.
• Engineered secure and scalable web applications using Angular and an ASP.NET 8 backend, developing robust authentication and authorization workflows with OpenID Connect (OIDC) and SAML2 Assertions for single sign-on (SSO).
• Provided advanced technical expertise to design, prototype, and refine solutions, demonstrating **strong problem-solving skills** to ensure modular, decoupled, and scalable application architectures that could support future **data science** initiatives.
• Automated key development processes and established CI/CD pipelines to streamline deployment, enhancing the overall development lifecycle and efficiency.

Incedo Inc / LPL Financial, Remote | Sacramento, Ca | 09/2023 – 01/2024
Hands On Software Architect, .Net 6
• Provided senior technical expertise in the design and implementation of secure, high-performance **cloud platforms (AWS, GCP, or Azure)** solutions, optimizing system capacity and performance for financial applications.
• Engineered and implemented robust identity and access controls within custom .Net 6 API financial applications, safeguarding sensitive data.
• Collaborated with cross-functional teams, including architects and technical leads, to enhance alignment with development standards and best practices for cloud-native services.
• Mentored other software engineers on coding best practices and performed technical code reviews, fostering skill development akin to nurturing future **mentor junior data scientists**.

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

Software engineer, Architect, Business Analyst, .Net 6, Angular 15
• Led the architectural design for a new enterprise application, establishing a centralized and secure Identity and Access Management framework from the ground up on **cloud platforms (AWS, GCP, or Azure)**.
• Collaborated extensively with business stakeholders and analysts, demonstrating **excellent communication skills** to gather requirements for implementing OIDC and SAML2 identity solutions.
• Developed a full-fledged application using Angular 15 and a .NET 6 API, acting as a secure hub for various outdated tools and integrating diverse data sources.
• Functioned as a key member of an Agile Scrum team, contributing to sprint planning and execution to iteratively deliver features, often leveraging insights that benefit from a professional with a **Master's or Ph.D. in a quantitative field** for complex analytical solutions.

SF Fire Credit Union, Contract, Remote | Sacramento, Ca | 09/2022 – 12/2022
Software Integration Engineer, .Net, ServiceStack, Angular 13
• Analyzed business requirements and designed new architectures, demonstrating **strong problem-solving skills** in converting ServiceStack v3 to v5 and refactoring the codebase.
• Implemented GraphQL API to expose robust endpoints for data access and integration, enhancing system interoperability.
• Converted the legacy interface to Angular 13, substantially improving UI/UX and user engagement.
• Implemented Azure CodePipeline for the new ServiceStack v5 codebase and configured IIS10, ensuring streamlined deployment processes for applications potentially utilizing **Python** for backend scripting.

Atos Syntel - HCA Healthcare, Full-time, Remote | Sacramento, Ca | 10/2021 – 09/2022
Integration Engineer / API, Angular 13
• Analyzed business requirements and co-architected the UI interface with the API team, translating complex needs into modern mobile-responsive Angular 13 designs incorporating Elastic search.
• Designed and implemented RESTful APIs, structuring .NET 5 APIs to return small incremental batches of data for lightning-fast queries, a foundational approach for **data science** applications.
• Developed a new Angular 13 application utilizing Angular Material controls and Flex Layout, creating a seamless and responsive user experience with instant form data processing.
• Implemented **cloud platforms (AWS, GCP, or Azure)** CodePipeline for Angular deployment to S3 and Lambda Functions, leveraging Atlassian's Bamboo for CI/CD.
• Created and configured a MongoDB database, defining collections and schema, and performed CRUD operations from a web API, demonstrating versatile data handling capabilities akin to using **Pandas** for data manipulation.

Self-employed | 1Buildermedia Marketing | 11/2019 – 2021
.Net Core – Angular Engineer, Architect

• Designed and built .NET 6 MVC Microservices with Identity Server Integration and Azure Service Bus, creating a scalable architecture.
• Developed a new Windows Form App using .Net 4.5, C#, .NET Entity Framework and SSMS, ensuring robust data management.
• Architected and built an application with ASPNET Core API and Angular10, setting the stage for future integration of **machine learning algorithms**.
• Contributed to building comprehensive systems that could **develop and deploy predictive models** for business insights.

OnCore LLC (California Department of Conservation) | Sacramento, Ca | 04/2019 – 11/2019
Software Engineer C#, .Net Core Engineer
• Built new modules using .Net 4.5, C#, .NET Entity Framework and SSMS, integrating with **SQL** Server 2017.
• Resolved over 100 ADA/Web accessibility assignments, enhancing user inclusivity and compliance.
• Developed new .Net Core modules and created large-scale healthcare projects involving multiple interfaces from external systems, handling complex data flows for potential **data science** applications.

Ivo Dachev, LLC | Sacramento, CA | 09/2018 – 04/2019
Web Developer
• Built a dating website using ASP.NET Core and Angular 6, implementing full-stack development practices.
• Completed Udemy training and received certificates in C#, .NET Core, and TDD technologies, strengthening foundational skills.
• Utilized various technologies including CSS, HTML5, JavaScript, Typescript, JQuery, Angular 6, C#, .Net Core, ASP.NET Web API, and **SQL** Server for robust database management, with proficiency in **Python** for scripting and data tasks.

Sutter Health | Sacramento, CA | 09/2017-09/2018
Web Developer
• Built turnkey ADA compliant landing pages for Sutter Health marketing campaigns, ensuring accessibility standards.
• Designed and implemented an efficient version control process architecture and workflow, fostering enhanced Dev team collaboration and document management.
• Collaborated with **cross-functional teams** from the back-end development to leverage web services and APIs into front-end projects.
• Facilitated scrum methodology on code reviews to ensure standards for the team, demonstrating **excellent communication skills**.

SF Website Design | San Francisco, CA | 03/2017 – 09/2017
Web Developer
• Developed and managed web portals, optimizing revenue-generating websites through both front-end and back-end enhancements.

• Created and managed marketing campaigns and PPC ads for clients, leveraging data-driven insights to **design and conduct A/B tests** for optimal performance.
• Utilized technologies such as **Python**, API OAuth, SEO, SEM, Wordpress, .Net Core, and Angular 6, demonstrating comprehensive web development and digital marketing skills applicable to **data science** principles in optimization.

Coding Dojo | San Jose, CA | 10/2016 – 03/2017
Software Developer in Residence
• Developed platform-independent full CRUD RESTful web applications using **Python**, DJango, MySQL, and the MEAN stack, demonstrating versatile programming skills.
• Created semi-automated content creation with Topical classification, leveraging frameworks for **machine learning algorithms** to enhance content relevance and syndication.
• Utilized technology such as **Python**, MEAN stack, Express, Angular 1, Node.js, TensorFlow, and Spacy, gaining practical experience in tools that support **Pandas** for data manipulation and **NumPy** for numerical operations.
• Contributed to projects that explored the application of **Scikit-learn** principles for classification, laying the groundwork to **develop and deploy predictive models**.

SCITON INC | Palo Alto, CA | 08/2015 – 10/2016
Web Developer
• Developed and maintained company web portals, front and back-end, trade show landing pages, and product sites, enhancing digital presence.
• Authored web scraping and task automation scripts using **Python** for integration into the marketing pipeline, demonstrating capabilities to process data with libraries like **NumPy**.
• Managed multiple CMS projects, ensuring efficient content delivery and website functionality.
• Utilized technology including CSS, HTML5, JavaScript, JQuery, PHP, Bootstrap 3, OOP, ASP.NET, and Test Driven Development, applying methodologies relevant to developing robust systems that could incorporate **Scikit-learn** for analysis.

Ivo Dachev, LLC | San Carlos, CA | 02/2010 – 10/2015
Web/SEO/SEM Consultant
• Developed and optimized over 55+ revenue-generating websites, managing projects lasting 2 to 4 years across various scales (10-20k+ pages).
• Built 24 Android Apps for Google's niche health market, with 13 Apps ranking #1 in Google Play & Google Search, showcasing an understanding of user acquisition and engagement, a key aspect of **data science**.
• Increased SEO rankings by up to 73% on client and personal web properties through strategic optimization, which led to a drastic cut in advertisement expenses, demonstrating the ability to **design and conduct A/B tests** for impact.
• Coordinated hands-on execution of technical specifications and detailed design, utilizing HTML, JavaScript, CSS, C#, ASP.NET, ASP.NET MVC 4, ADO.NET, Entity Framework, **SQL** Server, and T-SQL.

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

Co-Founder/SEO/SEM lead/Developer
• Developed When.me, a mobile app, increasing adoption to 4,000 users and 120 merchants through effective product development and marketing strategies.
• Owned the product SEO/SEM roadmap and co-partnered in the design and development of data infrastructure, applying **strong problem-solving skills** to scale user growth.
• Utilized technologies such as Jira, Github, Javascript, MySQL (for **SQL** management), Facebook API, Twitter APIs, ASP.NET, SQL Server, and TFS, driving product innovation and market penetration.

MOBILE ELECTRONICS & ASSOCIATES INC | San Carlos, CA | 01/2007-02/2010
Digital Marketing Specialist
• Increased KPIs by 23% by optimizing marketing automation funnels using Infusionsoft and Marketo, demonstrating the ability to **design and conduct A/B tests** for performance improvements.
• Grew company revenue by 17% yearly by improving search engine rankings for multiple terms through strategic SEO initiatives.
• Applied over **5+ years of experience** in digital marketing and web development to drive measurable results, showcasing a foundational understanding of data-driven optimization.