

ADRIAN MARTIN

SENIOR SOFTWARE ENGINEER

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SUMMARY

- **Over 11+ years** of IT experience which includes 10+ years of Extensive experience as a **Senior Software Engineer**.
- Extensive experience in developing web pages using **Java, J2EE, Java Springboot, Hibernate, Ruby on Rails, Golang, C#, Node/Express, Django, ASP.NET, React 18+, Angular, Vue JS, Ember.js, Next JS, GatsbyJS and other UI frameworks and libraries**.
- Strong experience and background knowledge in Backend development using **Node/Express JS, Java Spring Boot, Python** etc.
- Extensive experience in **SQL & NoSQL** programming language in **Oracle PL/SQL, TSL, and MySQL, PostgreSQL, MongoDB, DynamoDB and Redis** database environments. Developed Stored procedures, Triggers, views, complex join queries; Pl/SQL materialized views, Strong and in-depth knowledge of various relation database systems.
- Expertise in web-based identity and access-management using OAuth2 and JWT and implemented CI/CD pipelines using **Jenkins, CircleCI**, etc and Serverless architecture. And used **Apache, Tomcat, Nginx**, etc.
- Built web applications using Microsoft Dynamic 365 Commerce tools including Power BI, Power Page, SharePoint, Dataverse, Power Apps, Power Automate, etc.
- Strong background in **Security Orchestration, Automation, and Response (SOAR)** solutions, coupled with extensive expertise in **ServiceNow** platform customization and integration, effectively combining technical acumen and problem-solving skills to streamline operations and enhance efficiency.
- Experience in Designing & Data Modelling, Bulk Document Indexing & Search API's in **Elastic Search**. Creating a RESTFUL web service using **elastic search** services & Creating queries in **elastic search**.
- Good knowledge with **CVS, Clear Case, GIT and SVN** for code management & version control and **agile** and **Waterfall** methodology with Jira, Trello, etc.
- Strong understanding of software development best practices and the ability to collaborate effectively with cross-functional teams. Committed to delivering high-quality code and exceeding client expectations.
- Demonstrated effective **communication** skills with colleagues and rich **remote-environment** experience.
- Built out **15** web applications as well as **6** mobile applications mainly using **React** and **React Native**.

SKILLS & ABILITIES

Programming Languages	JavaScript, Typescript Java, Golang, PHP, Python, C#, Ruby, Delphi
Database	MySQL, T-SQL, PostgreSQL, SQLite Tableau, Oracle, MongoDB, DynamoDB, Redis
Frameworks/Libraries	Java Spring, Spring Boot, Hibernate, NodeJS, Express.js, Nest.js, Laravel, Drupal, Django, Ruby on Rails, ASP.NET, WordPress, Magento, Shopify, React, Gatsby, Ember.js, Angular, Vue, Next, Svelte kit, Redux, Netflix OSS
Cloud Technology	GCP, AWS, Azure, Terraform, Tekton, Apache, Nginx, Tomcat
Infrastructure	AWS EC2, AWS S3, AWS Elastic Search, AWS Cognito, AWS RDS, AWS Lambda, AWS CDK, AWS, SNS/SQS, Azure, GCP, Terraform, Ansible, Serverless Architecture, Docker, Kubernetes, Docker-compose, OCP Container
Web/Mobile Technologies	HTML/CSS, LESS, jQuery, Ajax, Json, JWT, Graph QL, Restful API
UI Technologies	Material UI, Bootstrap, Tailwind, Chakra, Semantic, AntD
Testing Tools	Jest, Junit, Enzyme, Cucumber, Selenium Jasmine, Cypress, Vitest, SonarQube, Sonar Lint
Version Control Tools	Git, GitHub, Gitlab, Bitbucket, SVN, Bitbucket, CVS, Artifactory
Automation Tools	Jenkins, Chef, Ansible, Kickstart
Operating System	Linux, Windows, Ubuntu

EDUCATION

Bachelor’s degree in Computer Science at Florida International University2009 - 2013

PROFESSIONAL EXPERIENCE

- **Albet**

Jul 2020 – Jun 2023
- Raleigh, North Carolina, United States

Senior Software Engineer
- Built most of the backend using **Java Spring Boot, Hibernate, Ruby on Rails, Laravel, Django, ASP.NET, Node.js, Express.js** and **Nest.js** to build restful API servers and managed **AWS, Azure, GCP**.
 - Built a web application using **React, Angular, Ember, Vue, Next.js, Gatsby** and implemented data visualization using **D3.js, HighCharts, Seaborn, Fusion** for **Healthcare, E-commerce, Real-Estate**.
 - Built complex queries for **SQL** and **NOSQL** database like **MySQL, PostgreSQL, SQLite, MariaDB, Oracle, Tableau, DynamoDB, MongoDB** to support 200K users.
 - Lead a team of 7 developers and mentored 3 junior developers through building the applications from scratch and for ongoing projects.
 - Spearheaded critical projects utilizing **J2EE** and **Java Spring** technologies to architect high-performance solutions. Includes designing and implementing **microservices** using **Java Spring Boot**, ensuring seamless integration and enhancing overall system reliability while optimizing **Hibernate** for efficient database management such as **MySQL, PostgreSQL**.
 - Developed and maintained **Ruby on Rails** applications, implementing core **Ruby** features and utilizing **Ruby gems** to enhance functionality. Utilized **ActiveRecord** to create and manage database schemas, optimizing data retrieval and storage in **Ruby**-based applications.

- Implemented automated testing using **RSpec** and **Capybara** to ensure the reliability and robustness of **Ruby** code. Integrated third-party services and APIs, such as **Stripe API** and **Twilio**, into **Ruby** applications, enhancing user experiences and expanding functionality.
- Proficiently developed and maintained dynamic web applications using **PHP** and the **Laravel** framework, leveraging its powerful features such as **Eloquent ORM**, **Blade templating**, and **artisan commands**. Successfully implemented **RESTful APIs**, integrated third-party services, and optimized database queries for improved performance, demonstrating a deep understanding of **PHP** and **Laravel** technologies.
- Spearheaded the development and optimization of custom **Magento 2.3** modules, harnessing **PHP**, **MySQL**, and **JavaScript** to enhance the user experience and boost online sales. Implemented intricate payment gateways, integrated third-party APIs, and fine-tuned server-side performance, resulting in a 30% increase in conversion rates.
- Led the end-to-end development of cutting-edge web applications using **Python**, **Django**, and **FastAPI**. Implemented **RESTful APIs** with **FastAPI**, integrating **TensorFlow** for machine learning functionalities and **NumPy** for advanced numerical computations. Collaborated with data science teams to deploy **AI** models for predictive analytics and utilized asynchronous programming with **FastAPI** to enhance application responsiveness.
- Specialized in **C#**, **.NET Core**, and **ASP.NET** development. Led the design and implementation of robust web applications, utilizing **C#** for backend development with **.NET Core** and creating dynamic user interfaces with **ASP.NET**. Delivered high-performing and user-friendly solutions that harnessed the power of these technologies to meet client needs.
- Played a pivotal role in the development of our flagship web application. Leveraged my expertise in **Node.js**, **Express.js**, and **Nest.js**, Led the architecture and implementation of the backend, ensuring high-performance APIs and seamless data flow. I also managed **MongoDB** databases, optimizing data retrieval and storage for enhanced application responsiveness.
- Spearheaded **SQL** Server development efforts, crafting robust **stored procedures** and **triggers** for business-critical applications. Utilized advanced **SQL** Server capabilities like temporal tables and in-memory **OLTP** to enhance data management and application performance, resulting in significant efficiency gains.
- Leveraged the power of **Redux**, **React Hooks**, **Vuex**, and **Pinia** within the **React**, **Angular**, and **Vue** written in JavaScript & **Typescript** to create highly scalable and responsive web applications, resulting in a 30% improvement in user engagement.
- Actively utilized **NgRx** and **RxJS** to manage complex state and asynchronous operations, enhancing the performance and maintainability of our applications. Additionally, introduced streamline data management, optimizing data fetching and storage processes, while staying abreast of emerging technologies in the **React**, **Angular**, and **Vue** ecosystems. Collaborated closely with cross-functional teams to ensure seamless integration and maintain the highest coding standards.
- Implemented and managed **CI/CD** pipelines utilizing **Jenkins**, **Circle CI**, **GitHub Actions**, **Gitlab CI/CD**, and **Bitbucket Pipelines** on **Linux**, **Unix**, and **Ubuntu**-based systems to automate software deployments and ensure seamless integration of code changes into production environments. Proficiently configured, maintained, and optimized these pipelines to enhance development workflows and streamline version control processes while collaborating with cross-functional teams to ensure the successful delivery of high-quality software products.
- Possess a wealth of testing experience encompassing various methodologies, including **Unit testing**, **E2E testing**, and **integration testing**, leveraging state-of-the-art tools such as **Jest**, **Mocha**, **Enzyme**, **Jasmine**, **Junit**, and an array of other advanced technologies. Enabled me to adeptly design and execute comprehensive test suites, ensuring the highest standards of software quality and reliability.
- Spearheaded our migration to the cloud by harnessing the power of **AWS** services. I orchestrated the deployment and maintenance of our application on **AWS**, utilizing technologies such as **AWS Elastic Beanstalk**, **Amazon S3**, and **Amazon RDS**. To enhance scalability and reduce operational overhead, I extensively utilized serverless computing with **AWS Lambda**, allowing us to efficiently handle variable workloads while minimizing costs.
- Leveraged my expertise in **Azure** and **Azure services** to architect and deploy cloud-native solutions on Microsoft's platform, while also harnessing **GCP**'s capabilities to optimize multi-cloud environments. In addition, Extensive experience in infrastructure as code, using **Terraform** to automate resource provisioning and orchestration in both **Azure** and **GCP**, and have adeptly managed containerized applications using **Docker** and **Docker-compose**, alongside **Kubernetes** for container orchestration, ensuring scalable and resilient deployments.
- Spearheaded the deployment of a comprehensive Identity and Access Management (**IAM**) solution. Architected an **IAM** system based on **OAuth 2.0** and **OpenID Connect**, enabling secure access to our applications and services. This involved integrating IAM with various platforms, including Microsoft **Azure**, **AWS IAM**, and **Google Cloud Identity**, while also implementing fine-grained access controls through attribute-based access control (**ABAC**) policies. Moreover, Played a pivotal role in conducting security assessments and penetration testing to ensure **IAM** resilience, and collaborated closely with cross-functional teams to establish a strong culture of security awareness and compliance throughout the organization
- Worked on **Agile** development environment using **Jira**, **Trello** board and sprint by sprint which is 2 weeks iteration.

- Axim

Jul 2017 – Jun 2020

Charlotte, North Carolina, United States

Senior Software Engineer

- Involved in **E-Commerce**, **Healthcare**, **CRM** system development using **Ruby on Rails**, **Java Spring Boot**, **NodeJS**, **ASP.Net** and Headless **CMS** such as **Shopify**, **WordPress**, **Sanity**, **Strapi**, **Directus**.
- Specialized in building robust online shopping platforms, seamlessly integrating **SQL** and **NoSQL** databases to meet diverse business needs. Leveraged **Ruby on Rails** framework, Architected systems that efficiently managed product catalogs using **SQL** databases, ensuring lightning-fast retrieval and maintaining data integrity. Additionally, Implemented **NoSQL** databases like **MongoDB** to handle unstructured data, enhancing user experiences with personalized recommendations and real-time inventory updates. This holistic approach allowed for scalable and responsive e-commerce solutions that met the demands of modern online shoppers.
- Hands-on experience in **Java** technology stack, particularly **Java Spring** framework. Collaborated with the team to enhance and optimize existing applications, demonstrating proficiency in **Java Spring MVC**, while also contributing to the development of **RESTful APIs** and integrating **Hibernate** for database management such as **MySQL**, **PostgreSQL**, **SQLite**.
- Worked on developing middleware using **Spring MVC**, **developed controller**, servicing and **DAO** layers with spring annotations, also used spring Dependency Injection and IOC abundantly during the process.
- Implemented **WCF** web services and **ASP.NET** console applications to receive transactional data from various source points for processing and generated web forms in PDF format aiding easy download.
- Leveraged **C#** to write well-structured, efficient code while adhering to coding standards and best practices. Utilized **.NET Core** to build scalable and high-performance backend services, resulting in improved application responsiveness and scalability.
- Employed **ASP.NET** to design intuitive user interfaces, implementing responsive web design principles and optimizing page load times.
- Leveraged **Drupal 8**'s innovative content modeling and configuration management, along with **PHP** and **Symfony**, to architect and deploy scalable and flexible web solutions for diverse clients. Collaborated with cross-functional teams to customize and extend **Drupal's core functionality**, achieving seamless integrations with various third-party systems and APIs.
- Tuned complex **SQL** stored procedures and implemented asynchronous call functions (Task Parallel Library) in **.Net MVC** to improve the performance and scalability of application.
- Managed mission-critical **SQL** Server databases, ensuring high availability and data integrity. Designed stored procedures and triggers to support real-time data processing and leveraged advanced **SQL** Server features such as partitioning and replication to improve scalability and performance.
- Excelled in creating and maintaining extensive test suites that cover **Unit testing**, **E2E testing**, and **integration testing**. Using **Jest** and **Mocha**, Write comprehensive **unit tests** that not only verify individual components but also contribute to our codebase's robustness. For **E2E** testing, Harnessed the power of **Cypress** to automate **end-to-end** scenarios, ensuring the flawless functionality of our applications across various browsers.
- Implemented automated **unit testing** using **Jasmine** and **Karma**, resulting in improved code quality and reduced bug count.
- Developed and implemented **headless Content Management System (CMS)** solutions for e-commerce projects, leveraging a variety of platforms, including **Shopify**, **WordPress**, **Strapi**, **Sanity**, and **Directus**.
- Utilized **Shopify's Storefront API** to fetch and display real-time product data, prices, and inventory information on the frontend while maintaining a consistent shopping experience.
- Leveraged **WordPress** as a **headless CMS** by utilizing the **WordPress REST API** and **GraphQL** to manage and deliver content for diverse e-commerce websites, effectively combining the flexibility of **WordPress** with modern frontend technologies.

- Designed and developed content models and schemas within **Strapi** and **Sanity**, ensuring structured content management for product descriptions, images, and other relevant information.
- Responsible for developing the UI pages using **React, React Hook, Redux, HTML5, CSS3, JavaScript and Typescript**.
- Designed **SPAs** (Single Page Applications) using **Angular** concepts of **Directives, Services, Promises, Templating, Scope, Dependency Injection** and **two-way data binding**.
- Integrated **Vue.js** applications with **backend APIs**, ensuring proper handling of data requests and responses.
- Designing and Implementing **GraphQL API** schemas using **Apollo Client**.
- Managed and configured **AWS** cloud services like **EC2, S3 bucket, Security groups, RDS, EBS, ELB, Auto -Scaling, AMI, Elastic search, IAM** through **AWS** Console and API Integration.
- Developed and maintained data pipelines using **Azure Data Factory** to extract, transform, and load data from diverse sources into a centralized data repository. Created **SSIS** packages to automate data integration tasks, resulting in a significant reduction in manual efforts.

- **Pratum**

Sep 2013 – Jun 2017

Ankeny, Iowa, United States

Software Engineer

- Worked on startup environment and built the e-commerce projects from scratch and was involved in on-going project development using **Laravel, Magento, Drupal, Java Spring and Ruby on Rails**.
- Developed and maintained the front-end of a dynamic e-commerce website using **React.js**, resulting in a 25% increase in user engagement and a 15% boost in sales conversion rates. Implemented state management with **Redux**, improving data handling and enabling real-time updates of the shopping cart and product listings. Integrated **RESTful APIs** for product catalog retrieval, user authentication, and payment processing, enhancing the website's functionality and scalability.
- Spearheaded the front-end development of a dynamic e-commerce platform using **Angular, TypeScript, and Angular services**. Implemented robust **dependency injection** to manage data flow and integrated **RESTful APIs** seamlessly. Developed custom **directives** for enhancing user interactivity and maintained a clean, modular codebase, resulting in a 20% increase in user engagement and a 15% boost in conversion rates.
- Championed innovative solutions by harnessing a wide array of Java technologies. Architected complex systems using **J2EE**, seamlessly integrating **Java Spring** and **Spring Boot** for robust, modular applications. Involved crafting **microservices** architectures, ensuring scalability, and implementing **RESTful APIs** for seamless communication, all while optimizing database performance through **Hibernate**. Additionally, led initiatives in applying **DevOps** practices, incorporating **CI/CD** pipelines with **Jenkins** and **Docker**, ensuring efficient code deployment and system maintenance.
- Spearheaded the development of high-performance online shopping platforms, harnessing **Ruby's** versatility and **Ruby on Rails'** framework capabilities. Integrated payment gateways, such as **Stripe** and **PayPal**, into **Ruby** applications, ensuring secure transactions, and leveraged **Spree** Commerce to streamline e-commerce functionality. Additionally, Optimized database queries using **ActiveRecord** for efficient product catalog management and implemented responsive user interfaces with **JavaScript** to enhance the shopping experience.
- Demonstrated expertise in **PHP, Laravel, and Drupal**, contributing to the design and implementation of data-driven web applications and content management systems. Employed **RESTful API** development, object-oriented programming, and **MVC** architectural patterns to deliver high-performing, secure, and user-friendly solutions for clients across multiple industries.
- Designed and implemented a robust **IAM** framework utilizing industry-leading technologies such as Multi-Factor Authentication (**MFA**), Single Sign-On (**SSO**), and Role-Based Access Control (**RBAC**). Included configuring and managing **IAM** policies in **AWS Identity and Access Management (IAM)**, **Azure Active Directory (AD)**, and **Okta**, ensuring secure and seamless access for over 5,000 employees and external partners. Additionally, conducted regular access reviews, enforced least privilege principles, and integrated identity governance solutions to enhance the organization's security posture and compliance with industry regulations