

David Palacios

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SUMMARY

Adaptable and self-directed Full-Stack Developer with 2 years of experience delivering secure, cloud-native applications and back-end systems. Proficient in TypeScript, Python, C#, and SQL with strong foundations in both Oracle PL/SQL and MS SQL Server stored procedures. Recognized for fast learning, sharp problem-solving instincts, and a consistent drive to build intuitive, scalable solutions. Experienced in data ingestion pipelines, UX design, and secure API development. Adept with mobile frameworks like React Native and Blazor, and driven by curiosity, dependability, and a commitment to growth in complex environments.

SKILLS

Languages: TypeScript, JavaScript (ES6+), C#, Python, Java, SQL, PL/SQL

Frontend: React, Next.js, Context API, Redux, TailwindCSS, Blazor UI, HTML5, CSS3

Backend & APIs: Node.js, Express, .NET, .NET MAUI, Django, React Native, RESTful APIs, Firebase, JWT, OAuth2

Databases: PostgreSQL, MySQL, Oracle PL/SQL, MS SQL Server (familiar), MongoDB, Redis

Cloud & DevOps: Docker, Kubernetes, GitHub Actions CI/CD, Azure AKS, AWS (EC2, RDS)

Tools & Testing: Git, Visual Studio, Postman, Azure DevOps, Jest, Cypress, JMeter, Snyk

Practices: Agile (Scrum), GitOps, TDD, BDD, Clean Code, Secure Coding (OWASP)

EXPERIENCE

Full Stack Developer | Technical Lead

CampusConnect | SAIT International Centre

November 2024 – Present, Calgary, AB

- Built a scalable full-stack campus platform for 10K+ users with Node.js, Next.js, TypeScript, and PostgreSQL boosting load speed by 30% using SSR and optimizing UX with Redux and Context API.
- Architected zero-downtime deployments via AKS, with Docker and Kubernetes, powered by a fully integrated CI/CD pipeline with automated vulnerability scans (Snyk) and TLS certs in GitHub Actions, enabling high availability and rapid iteration in production.
- Integrated robust security and quality practices, implementing secure REST APIs and Firebase authentication, role-based access control (RBAC), and unit, integration, and performance testing using Jest, and JMeter.
- Led architectural decisions and sprint cycles in Azure DevOps, mentored team members, and coordinated design iterations with UX/UI contributors to ensure usability across devices.

Lead Software Developer

Inventory Management System | CodeBlazers Club (Internship, Part-Time)

February 2025 – June 2025, Calgary, AB

- Collaborated cross-functionally to architect the foundation of a scalable inventory system using Python, Django, React and PostgreSQL, prioritizing secure user access and operational efficiency.
- Engaged directly with client stakeholders to gather early feedback, aligning technical decisions with priorities on transparency, control, and rapid iteration.

Software Developer – Student (SAIT)

Employee Management System (EMS)

August 2024, Calgary, AB

- Developed an enterprise-style admin dashboard using C#, .NET MAUI Blazor, and MySQL; architected role-based workflows and streamlined administrative operations.
 - Oversaw the implementation of SQL database operations for data manipulation and reporting, ensuring reliable, secure handling and best practices of complex queries and stored procedure logic and data validation.
 - Built a clean, maintainable UI using .NET Blazor and incorporated mobile-responsive features, demonstrating early experience in mobile-first thinking.
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PROJECT

Phishing Detector ML – Browser Extension App

Technical Project • April 2025 – May 2025

- Built a phishing detection browser extension with Python Flask API, machine learning and JS DOM hooks, flagging threats in real-time directly in the user's browser and streamlining security triage for IT teams.
- Designed the solution with reusable components and RESTful integration, demonstrating the ability to create scalable internal tools that enhance response efficiency and reduce risk exposure.

E-Commerce Store Web Application

Technical Project • December 2024 – Present

- Creating a full-featured user-friendly e-commerce MVP using React, Node.js, Express.js, and MongoDB, focusing on core flows of product listing, cart functionality, and secure JWT-based authentication.
- Implemented Redis caching and optimized MongoDB queries, reducing page load times by 45%, improving shopping flow responsiveness, laying the foundation for a smooth user experience.
- Prioritized modular architecture, mobile responsiveness in design, and future-proofing with a store management dashboard, role-based access control, and payment gateway integration in progress.

Word Tracker Program | Java

Technical Project | SAIT • October 2024 – October 2024

- Designed and implemented a Java-based word analysis tool using core OOP principles (encapsulation, inheritance, abstraction) and a custom Binary Search Tree (BST) for efficient word tracking, integrating advanced algorithms to enhance processing capacity by 50%.
- Ensured reliability through comprehensive JUnit testing, validating word parsing, report generation, data persistence, and serialization.

EDUCATION

Software Development Diploma

Southern Alberta Institute of Technology (SAIT) • Calgary, AB • January 2024 – April 2025 • GPA 3.93 / 4

- **Relevant coursework:** Databases Programming and Testing, Data Structures and Algorithms, Object Oriented Programming, Mobile Development, User Experience and Design, Web Development, Software Testing & Deployment, Operating Systems, Software Security.

CERTIFICATIONS

IT Support Professional Certificate

Google IT Certificates • June 2023 – December 2023

Python for Web Development Certificate

ComIT • February 2023 – May 2023

- Centered on programing fundamentals and full-stack development in Python, using Django and Django REST Framework.

LEADERSHIP & INVOLVEMENT

Peer Mentorship Team Leader

Calgary, AB • SAIT – LEADS Program • September 2024 – April 2025

- Fostered career development, emotional intelligence, and soft skills in a collaborative and supportive atmosphere, bringing value to a team of mentors and mentees, through interactive workshops and meetings exercising strong presentation skills and initiative in self-directed activities.

Technical Advisor & Member

Bogota D.C, Colombia • Comite SALSA – Comamos Sano platform • September 2018 – June 2022

- Led the adoption of a web and mobile app for a local farmers' market that boosted user engagement by 24% during the pandemic by streamlining marketing, delivery, and service operations, while effectively aligning technical solutions with stakeholder needs.
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From,

Moulya Bangalore Pradeep

Instructor – Software Development

Southern Alberta Institute of Technology (SAIT)

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To Whom It May Concern,

I am writing to wholeheartedly recommend **David Palacios** for opportunity in the software industry. As his instructor and mentor at SAIT, I have had the pleasure of observing David's growth into a highly skilled, self-motivated, and adaptable **Full-Stack Developer** with a deep commitment to learning and technical excellence.

David brings a strong foundation in **JavaScript/TypeScript, Java, and Python**, and has consistently impressed me with his sharp problem-solving instincts and meticulous attention to detail. One of the standout projects he worked on was the **Campus Connect** capstone, where he served as both **Technical Lead** and Full-Stack Developer. His contributions were instrumental in building a scalable platform supporting over 10,000 users using **Node.js, TypeScript, Next.js, PostgreSQL, and TailwindCSS**. His implementation of **server-side rendering (SSR)** and optimized state handling significantly improved the platform's performance and user experience.

What sets David apart is not just his technical ability, but his initiative. He independently implemented a secure **CI/CD pipeline** using **GitHub Actions, Docker, ACR, and Azure AKS**, with zero-downtime deployments, robust performance testing, and role-based access control via Firebase authentication. His use of tools like **JMeter** for testing further demonstrated his professional maturity and ability to ship production-ready software.

David consistently takes initiative outside the classroom as well—he regularly experiments with new technologies and completes all assignments with precision and creativity. His drive to explore real-world applications, lead Agile sprints, and collaborate across teams has been nothing short of impressive.

I am confident that David will thrive in any software development role he pursues. He is not only technically sound but also deeply reliable, collaborative, and forward-thinking. He has my highest recommendation, and I am certain he will bring significant value to any organization fortunate enough to have him.

Sincerely,

Moulya Bangalore Pradeep