Alain Mena

UX/UI DESIGNER | DIGITIZATION-TCGPLAYER | SOFTWARE ENGINEER | FULL STACK DEVELOPER

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SKILLS

Frontend: React.js, Vue.js, AngularJS, TypeScript, WebGL, HTML5, CSS3, Bootstrap

Backend: Node.js, Express.js, Python, PHP, REST APIs, GraphQL, MongoDB, PostgreSQL

Architecture: Microservices, Distributed Systems, Scalable Design, OOP, SOLID Principles

DevOps & Cloud: AWS, GCP, Azure, Docker, CI/CD, Serverless, Load Balancing, Geo-Routing

Security & Networking: OAuth, JWT, SAML, DNS, Firewalls, VPNs, Cybersecurity Best Practices

Agile Methodologies: Agile, TDD, BDD, A/B Testing, XP Workflows

EXPERIENCE

University of North Carolina, Chapel Hill (edX/U2)
Full Stack Instructor • Remote | **07/2023 – Present**

- Graduated over 60 students, maintaining near-perfect KPIs
- Delivered full-stack curriculum covering Git, JavaScript, React, Node.js, Express, SQL/NoSQL, OOP, RESTful APIs, MVC architecture, and Agile development practices
- Continuously diagnosed environment & code bugs (live/on-air)

Tudays
Developer & Solutions Architect • Hybrid | **09/2019 – 04/2024**

- Created content and ads driving hundreds of weekly sales
- Built AI-powered POS system, boosting operational efficiency
- Designed self-service/catering tools, reducing staff dependency

Outdoor Network (ODN)
Senior Full Stack Developer • Hybrid | **05/2020 – 10/2021**

- Played a key role in optimizing the checkout process, resulting in a 25% revenue increase
- Built recommendation algorithm for 2M+ products
- Created a multi-million SKU processor that cut a multi-week process to 48 hours
- Implemented product collections to streamline navigation, helping customers find items faster and reducing cart abandonment

BluIP, Inc.
Senior Full Stack Developer • Hybrid | **01/2012 – 04/2020**

- Created a tool that could provision an entire hotel's phone system in minutes, allowing the company to onboard multiple hotels in a single day, rather than just one per week
- Enabled BluIP to sign a multi-year contract with AstraZeneca, funding the salaries of the entire development team
- Conceptualized and managed the brand, design, topology, and support for an end-user/call-center softphone
- Built a cybersecurity and fraud prevention system reducing losses

EDUCATION

- Associate Degree – *St. Petersburg College, 2009*
- Full Stack Web Development – *UNCC, 2023*

CERTIFICATIONS

- Generative AI for Educators
- Premium IT Admin Features
- Google Ads – Measurement
- Google My Business
- Google Analytics

COURSEWORK

- JavaScript Fundamentals: Arrays, Functions, and Objects
- TypeScript & OOP with TypeScript
- Python: Data Structures, Strings & Lists
- PostgreSQL & Relational Databases
- Big Data Concepts
- REST APIs & MVC Architecture
- Full Stack Application Development (MERN Stack)
- Progressive Web Apps (PWAs)
- Scalable Microservices Architecture
- Agile Development, CI/CD & Testing

INTERESTS

Fishing • Theme Parks • Halloween