Aravindh Easwaran

Underwriter | Software Engineer | Full-Stack Developer |
AI & Prompt Engineering Enthusiast

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Core Competencies

Languages	JavaScript, TypeScript, HTML5, CSS3, Python
AI	Prompt Refinement, NLP Techniques, LLM Optimization, Generative AI,
Frontend	React, Redux, Angular, RxJS, ASP.NET MVC, Bootstrap, Tailwind CSS
Backend	.NET Core, ASP.NET, Node.js, Express, MongoDB, SQL Server, REST APIs, Entity Framework
Frameworks	MVC, MVVM, MVP
Testing	XUnit, NUnit, Jest, Cypress
Tools	Visual Studio, Rider, Git, Docker, Azure DevOps, Agile/Scrum, CI/CD, SOLID Principles

Professional Experience

Oct 2024–Present
Underwriter, *United Wholesale Mortgage (UWM)*, Pontiac, MI
- Review and underwrite mortgage loan applications in compliance with company and investor guidelines, from initial underwriting to final closing.
- Analyze complex borrower and loan data in **BOLT** and **EDGE** to make precise, compliant, and data-driven credit decisions.
- Leverage **Salesforce** and **Queue Manager** to automate workflows, streamline communication, and optimize file prioritization.
- Utilize **ChatUWM** and prompt-engineering techniques to efficiently extract insights from job aids, underwriting manuals, and investor guidelines for AI-assisted decision systems.

Nov 2022–Oct 2024
Senior Frontend Developer, *YourBeat Inc (ASU)*, Remote
- Reactive Web applications designed using React.js and TypeScript, driving a 40% increase in user engagement and a 30% reduction in bounce rates.
- Led Agile ceremonies, fostering collaboration between designers, developers, and PMs for timely and high-quality deliveries.
- Integrated AI functionalities and optimized front-end architecture for scalability and modularity.
- Enforced code quality through Jest testing, CI/CD, and reusable UI component libraries.

Jan 2024–Jun 2024
Full-Stack Engineer, *Reguvare*, Phoenix, AZ
- Developed a biofeedback monitoring platform using .NET Core and Angular for real-time health tracking.
- Designed REST APIs, optimized data retrieval with SQL and MongoDB, and applied TDD using XUnit/NUnit.
- Collaborated with product and UX teams to enhance user experience and system reliability.

Aug 2022–Jan 2024
Software Engineer, *Contak (AI Music)*, Phoenix, AZ
- Built AI-powered features for a music recommendation platform with prompt-tuned personalization.
- Optimized SQL queries and API response times, improving database performance by 25%.
- Automated deployments with CI/CD pipelines, improving feature delivery velocity.

Jun 2019–May 2022
Web Developer, *E21 Designs*, Chennai, India
- Deployed 15+ web apps (React, Redux, Angular, Vue.js) serving 10K+ users monthly.
- Enhanced backend APIs using Node.js/Express and implemented caching to reduce load times.
- Established Jest-based test coverage to minimize post-release defects.

Projects

Loan Origination System
Developed a scalable loan origination platform using React.js and .NET Core.
- Built dynamic forms, real-time validations, and SOLID backend APIs for data integrity.

Customer Management Portal
Enterprise solution using ASP.NET Core and React.
- Implemented Azure AD SSO, SQL reporting, and UI enhancements with Tailwind CSS.

Education

2024 **M.S. in Technology (GPA 4.00)**, *Arizona State University*, Tempe, USA

2019 **B.Tech. in Information Technology**, *SASTRA University*, Tanjore, India

Certifications

Google Prompting Essentials

Advanced Prompt Engineering by Vanderbilt University

IBM Generative AI: Prompt Engineering