Benjamin Hilliard

Senior Full-stack & AI Engineer

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Summary

Senior Full-stack & AI Engineer with 8+ years of experience building scalable web applications using React, Next.js, Node.js, .NET, and PostgreSQL. Experienced in cloud platforms, REST APIs, and AI-assisted development, with a strong focus on performance, maintainability, and user experience.

Skills

Technical Skills

- **Languages:** JavaScript, TypeScript, Python, C#, Go, PHP, SQL
- **Frontend:** React, Next.js, React Native, Vue.js, Angular, HTML5, CSS3, Tailwind CSS, Bootstrap, Redux, jQuery
- **Backend:** Node.js, Express.js, NestJS, ASP.NET Core, .NET Core, Django, FastAPI, Flask, Laravel
- **AI:** OpenAI API, LangChain, LLM Integration, AI Chatbots, AI Automation, RAG, AI Agents, Vector Databases, LangGraph
- **Databases:** PostgreSQL, MongoDB, SQL Server, Firebase, Supabase
- **Tools:** Docker, CI/CD, Git, Jira, Postman
- **API & Authentication:** RESTful APIs, GraphQL, Stripe API, JWT Authentication
- **Cloud:** AWS (EC2, Route 53, Load Balancer), Azure
- **Methodologies:** Agile/Scrum, Object-Oriented Programming (OOP)

Experience

Senior Full Stack & AI Engineer, *Statking*
01/2024 – 04/2026
California, United States

- Developed AI-powered features using OpenAI, Claude, LangChain, Python, and FastAPI, reducing manual customer support requests by 35% through intelligent chatbot automation.
- Designed and implemented AI chatbots that improved customer response time by 45% and enhanced operational efficiency through AI-driven workflows.
- Designed and optimized PostgreSQL database schemas, indexes, and complex SQL queries, reducing query execution time by 45% and improving application responsiveness.
- Implemented database optimization strategies, including indexing, query tuning, and connection pooling, supporting high-volume betting transactions with improved scalability and reliability.
- Led development of betting web and mobile platforms using React, Next.js, React Native, NestJS, PostgreSQL, and AWS, improving overall application performance by 30%.
- Built scalable RESTful APIs and backend services, reducing API response times by 40% while supporting high-traffic AI-powered applications.
- Deployed and maintained AWS infrastructure using EC2, Route 53, and Load Balancers, increasing system availability and deployment reliability.
- Collaborated with cross-functional teams using Agile, Git, and Jira to deliver production-ready features on schedule while maintaining high code quality.

Senior Full Stack Developer, *Skigit* 01/2021 – 12/2023
Florida, United States

- Designed and maintained PostgreSQL databases supporting high-traffic social video applications.
- Optimized PostgreSQL indexes, execution plans, and SQL queries, reducing database latency by 40%.
- Designed database tables and relationships to support new application features.
- Developed scalable web applications using React, Next.js, TypeScript, Django, and Python, improving page load performance by 25%.
- Built reusable UI components and responsive interfaces, reducing frontend development time by 30% across multiple projects.
- Designed and integrated RESTful APIs, reducing data retrieval latency by 35% and improving frontend responsiveness.
- Optimized APIs, database queries, and frontend rendering, reducing production issues by 40% and improving overall application stability.
- Developed and maintained enterprise CMS solutions, improving content management efficiency and long-term platform maintainability.
- Participated in CI/CD pipelines, code reviews, testing, and cross-functional collaboration to ensure reliable software delivery and continuous product improvement.

Mid-Level Full Stack Developer, *Seafair* 08/2019 – 12/2020
Miami, United States

- Developed enterprise web applications using C#, .NET Core, ASP.NET Core, and SQL Server, improving application performance by 40%.
- Designed and implemented RESTful APIs, improving communication between frontend and backend services.
- Migrated legacy systems to MongoDB and Firebase, improving data accessibility by 30% for over 1 million users.
- Implemented secure authentication, authorization, and backend validation, strengthening application security and reducing production defects.
- Collaborated with cross-functional teams to deliver high-quality software on schedule.
- Diagnosed production issues, optimized database queries, and improved backend performance, contributing to a 95% customer satisfaction rate.

Full Stack Web Developer, *Smitiv* 08/2018 – 07/2019
Singapore, Singapore

- Developed responsive websites using HTML, CSS, Bootstrap, and jQuery, improving usability across desktop and mobile devices.
- Created interactive data visualizations using D3.js, enhancing user understanding of complex business data.
- Optimized application performance and cross-browser compatibility, improving responsiveness for data-intensive web applications.
- Participated in debugging, testing, maintenance, and code reviews to improve software quality and stability.
- Collaborated with senior developers to implement new features, resolve technical issues, and deliver client requirements on schedule.

Education

Bachelor's degree, *Singapore Management University* 04/2014 – 07/2018
Computer Science
Bras Basah , Singapore