

DENNIS HUANG

Brooklyn NY | dennis.huang.0131@gmail.com | 585-252-2701 | github.com/vanguard1127

Education

Hofstra University

Sept 2007 - May 2012

Bachelor of Computer Science

• **Courses:** OOP in C++, Compilers, Algorithms, Operating Systems, Data Structures

Skills

Languages: C++/C#, Javascript, Go, Typescript, Java, SQL, PHP, Ruby, HTML, CSS
Technologies: ASP.NET, .NET Core, Node JS, React.js, Vue.js, Golang, PowerShell, Django, Flask, SpringBoot, Hibernate, Ruby on Rails, Next.js, MySQL, Postgresql, Azure, AWS, GCP, Bash, Git, Docker, jQuery, Bootstrap

Professional Experience

Cashbackforex LLC

New York, NY

Full Stack Developer - Central Team

Dec 2018 – Mar 2024

- Built and Maintained Forex/Crypto Rebate Platforms:
 - Developed and maintained four forex/crypto rebate websites, one admin portal, and two web services, integrating cutting-edge technologies in collaboration with another developer.
 - Managed the development of fully-functional portals, resulting in a 20% increase in user engagement and a 15% reduction in bounce rates.
 - Improved development efficiency by 30% through effective collaboration with cross-functional teams.
- Backend and Frontend Development:
 - Developed Golang backend projects and Node.js and React.js frontend projects.
 - Built over ten backend microservices, enhancing system modularity and reducing code complexity by 25%.
 - Led the front-end migration from Angular to React, resulting in a 40% improvement in page loading times and a 15% increase in user satisfaction.
 - Integrated ASP.NET and .NET Core projects into the central project.
- API Engineering and Microservice Architecture:
 - Engineered RESTful APIs for multiple portals and admin websites, following Microservice Architecture principles.
 - Developed over fifteen RESTful APIs, leading to a 20% reduction in response time and a 30% increase in concurrent user handling.
 - Implemented an API versioning strategy, resulting in a 40% decrease in API compatibility issues.
- Database Design and Optimization:
 - Designed Microsoft SQL and MongoDB databases, optimizing page performance.
 - Created a MongoDB database for improved data retrieval speed, resulting in a 50% decrease in page load times.
 - Implemented indexing strategies for Microsoft SQL databases, enhancing query performance by 30%.
- Efficient Deployment and Infrastructure:
 - Established CI/CD pipeline actions using Docker/Kubernetes, streamlining development-to-deployment workflows.
 - Successfully deployed a Golang project on Google Cloud Platform (GCP), utilizing Google Kubernetes Engine (GKE) for container orchestration, ensuring scalable and reliable

application performance in a cloud-native environment.

- Trading Utilities and User Engagement Features:
 - Created various trading utilities, including expert analytics, an economic calendar, a currency converter, articles, and forums.
 - Introduced a currency converter tool, resulting in over 10,000 monthly user interactions and a 25% increase in average session duration.
 - Launched an economic calendar feature, increasing user engagement by 20% during major market events.
- Testing and Quality Assurance:
 - Implemented unit testing for REST APIs and integration testing for frontend using Jest and Cypress.
 - Developed over 150 unit tests, reducing post-release bug reports by 40% and improving code stability.
 - Automated integration testing, leading to a 30% reduction in regression issues and a 25% increase in development speed.
- SEO Optimization:
 - Enhanced Google SEO scores by implementing special caching features.
 - Implemented caching mechanisms, improving page load times by 40% and resulting in a 15% increase in organic search traffic.
 - Achieved a 20% improvement in page rank for key search terms, contributing to a stronger online presence.

Hempitecture

Full Stack Engineer – Company Central Team

Boise , ID

Nov 2016 – Nov 2018

- Scaled CMS Application and Product Integration:
 - Successfully expanded the CMS application to support a substantial increase to 2 million daily users.
 - Integrated various company products with Amazon, ensuring a seamless user experience across platforms.
 - Facilitated effective cross-team communication to align product requirements with design implementations.
- Technology Utilization and Project Distribution:
 - Led the development of a Golang backend project, managing 70% of the responsibilities.
 - Contributed to React/Vue frontend projects using TypeScript/JavaScript, accounting for 30% of the overall workload.
- Microservice Architecture and APIs:
 - Designed and implemented RESTful APIs adhering to Microservice Architecture principles, utilizing the GIN framework.
 - Integrated multiple databases, including PostgreSQL, Redis, and Microsoft SQL Server, using GORM GEN frameworks.
- Enhancements and Integrations:
 - Spearheaded the implementation of a Single Sign-On (SSO) feature, centralizing user access across the company's product suite.
 - Led the development of a unified billing system, seamlessly integrating Stripe for various billing schedules and schemas.
- Testing and Quality Assurance:
 - Developed comprehensive unit test cases for backend functions using the Testify framework.
 - Conducted frontend unit testing with Jest and Cypress to ensure robust code quality throughout the application.
- Efficient Deployment and Infrastructure:
 - Established CI/CD pipeline actions using Docker/Kubernetes, optimizing development-to-

- deployment workflows.
 - Successfully migrated the application to AWS, leveraging AWS CloudFormation, S3 Storage, Aurora, and ElastiCache Redis.
- Diverse Technology Proficiency:
 - Expanded skill set through contributions to projects in ASP.NET, Ruby on Rails, Django, Node.js (Express.js), and Laravel.
 - Addressed integration challenges within the central project, enhancing overall system stability.

HelloBello

Full Stack Developer – Software Engineering Team

Pacific Palisades, CA

Oct 2014 – Aug 2016

- Led the development of a comprehensive e-commerce platform, emulating functionalities of Amazon and Wayfair.
- Collaborated on multiple projects within the platform, including:
 - Golang Backend: 70% of time allocation
 - Vue.js Frontend: 20% of time allocation
 - Angular 11 Admin Panel: 10% of time allocation
- Developed RESTful APIs adhering to Microservice Architecture principles.
- Integrated payment gateway APIs into the backend, enhancing transaction capabilities.
- Utilized the GIN framework for Golang backend development.
- Employed the Vuex state management library for the Vue.js frontend.
- Implemented PostgreSQL and SQLite databases, ensuring efficient data storage and retrieval.
- Enhanced page performance by implementing Hugo templates, dynamically integrated from the admin panel into the frontend.
- Achieved a minimum reduction of 50ms in API response times for both backend and frontend, improving platform responsiveness.
- Developed comprehensive unit testing cases to ensure code reliability and functionality.
- Implemented SEO optimization techniques, resulting in improved Google SEO scores and enhanced platform visibility.
- Established CI/CD pipelines using Terraform, automating the deployment process for seamless updates and maintenance.

Homelight

Full Stack Developer – Engineering Team

San Francisco, CA

Feb 2012 – Sep 2014

- Successfully managed a money transfer platform, scaling to accommodate 1 million daily users.
- Fostered effective communication between development, product, and design teams to ensure cohesive project execution.
- Utilized a cutting-edge technology stack, including:
 - AWS Serverless Framework for backend development
 - Node.js (Express.js) for backend functionality
 - React.js for frontend design and interaction
- Pioneered the creation of a local development environment with Docker/Kubernetes, streamlining development setup.
- Implemented CI/CD workflows through Docker/Kubernetes and employed Terraform for deploying AWS services.
- Successfully deployed the frontend application to AWS S3, ensuring efficient distribution and accessibility.
- Integrated various AWS services, such as AWS Cognito, AWS API Gateway, AWS CloudFormation, AWS DynamoDB, and AWS Aurora, to construct a robust and efficient platform.
- Engineered a well-structured frontend action flow by seamlessly integrating HTTP Request APIs with the React State management system using Redux, Axios, and Redux-Saga.

- Developed comprehensive unit testing cases for both backend and frontend utilizing testing frameworks such as Jest and Cypress.