David Cheng

Senior Software Developer

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SUMMARY

As a senior software developer with more than 8 years experiences, I am responsible for building **Full Stack** Solutions from scratch for a lot of industries including **E-learning** platforms, **Satellite communication**, **Healthcare** and **Finance**. Proficient in PHP and Python with expertise in Symfony, Laravel, FastAPI, and Flask. Adept in JavaScript, TypeScript, Vue, React, and Kubernetes with strong database experience in MySQL and Snowflake. Proven ability to optimize application performance and implement CI/CD pipelines for efficient software development and deployment.

WORK EXPERIENCE

Senior Full Stack Developer   *Sunny Isles, FL, US*

**Hivex | ** *Aug 2023 – Dec 2024*

- Developed and maintained scalable full-stack applications using **PHP** (**Laravel**, **Symfony**) and **Python** (**FastAPI**, **Flask**).
- Engineered and optimized backend architectures with **microservices**, enhancing system scalability and reducing response times by 50%.
- Implemented frontend solutions using **Vue.js** and **React.js**, improving UI responsiveness and load speeds.
- Integrated **MySQL** and **Snowflake** databases, creating and optimizing database tables, views, and scripts for efficient data processing.
- Designed and deployed **CI/CD pipelines** with **Docker**, **Kubernetes**, and **Git** for seamless development and deployment workflows.
- Improved application security with **OAuth** authentication and **2FA**, ensuring high-level data protection.

Senior Software Engineer   *Gliwice, Poland*

The Software House | *May 2022 – Jun 2023*

- Developed and optimized web applications for **E-learning**, **Wellness**, and **Ride-Ordering** platforms using **PHP** (**Laravel**, **Symfony**) and **Python** (**FastAPI**, **Flask**).
- Built modular, scalable frontend architectures with **Vue.js**, **React.js**, and **TypeScript**.
- Integrated **MySQL** and **Snowflake** for efficient data storage, ensuring optimized API response times.
- Developed robust **CI/CD** workflows with Kubernetes, reducing deployment times and improving release cycles.
- Led code reviews and enforced best practices in **Git** and **DevOps** strategies.
- Proceeded code reviews, offering valuable feedback to enhance code quality and maintain coding standards using **GitLab** and **Bitbucket**.
- Executed the design of robust **CI/CD pipelines**, leveraging **Jenkins**, **Docker**, and **Kubernetes**, resulting in a significant reduction in software development and release cycles.

Software Engineer | Microservice   *London, England*

Pixelette Technology | *Jan 2021 – Apr 2022*

- Collaborated in the design and implementation of **CI/CD** and **DevOps** processes for agile projects, accelerating deployment frequency by 70% and reducing production errors by 40%.
- Worked with technologies and platforms such as **Python**, **Java**, **Javascript**, **Git**, **Linux**, **Docker**, **Kubernetes**, **Ngnix**, Jenkins, AWS, used debugging tools like React-**DevTools** for faster debugging and reducing debugging time by 50%.
- Experienced on **TDD**, followed test-first methodology in refactoring projects, wrote unit and integration tests using **Jest**, **Mocha**, and **Cypress**, and test coverage was more than 80%.
- Implemented best practices in **microservices** architecture, enhancing scalability to handle a 200% increase in user traffic and boosting overall performance by reducing response times by 50%.
- Leveraged cloud services such as **AWS**, **GCP**, and **DigitalOcean** to deploy, scale, and manage infrastructure, reducing infrastructure costs by 35% and improving deployment speed by 60%, while maintaining 99.99% system uptime.

Middle Web Developer   *Stockholm, Sweden*

OpenGeeksLab | *Jan 2020 – Dec 2020*

- Refactored event management and appointment management system for company internal members by migrating from **HTML** to Angular.
- Maintained a large web application using **HTML/CSS**, **JavaScript**, **jQuery**, **PHP** (Laravel) framework, and automated monthly supplier payments billing cycle using **PHP** and **MySQL**. Ran payment programs on a monthly basis and adjusted conditional business logic through a web interface.
- Turned mockups and designs into actual responsive websites and sliced or extracted the PSDs myself when asked, and finished responsive 3-5 pages in less than 72 hours, given specific time frames ranging from 3 to 5 days.
- Contributed to the successful delivery of projects on time and within budget, consistently meeting or exceeding client expectations.

EDUCATION

Aug 2015 – Dec 2019	**University of North Texas** **Bachelor's Degree, Computer science**	*TX, US*

SKILLS

- **Programming Languages**: HTML, CSS, Javascript, Typescript, Python, PHP, C#, Golang, Java
- **Frontend**: React.js, Next.js, Angular 2, Vue.js, Redux, Hooks, React Query, MUI, JQuery, BS5, Tailwind CSS
- **Backend**: Node.js, Express.js, Nest.js, .NET, .NET Core, ASP.NET, Python, Django, Flask, FastAPI, Laravel, GraphQL
- **Database**: MySQL, PostgreSQL, MongoDB, SQLite, MariaDB, Azure SQL, SQL server
- **Cloud and DevOps**: Amazon web services(AWS), Azure DevOps services, Google cloud platform, Docker, Kubernetes, CI/CD pipelines