# Lim WenKai

## *Full Stack Developer*

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### 🪪 Profile

As a seasoned full-stack developer with over seven years of experience, I have successfully contributed to the development and maintenance of cutting-edge web and mobile applications, ensuring optimal performance and user satisfaction throughout the software development lifecycle.

I hold a strong academic background, having pursued computer science and mathematics, which has empowered me to blend analytical prowess with programming expertise. I commenced my journey with Python and PHP, employing mathematical algorithms, before immersing myself in network programming with React. Over the years, I have honed my proficiency in JavaScript and related frameworks, including React, Angular, Vue and Node.

My core strengths encompass Node and React/Vue, complemented by substantial experience in backend development using Python/Django/Flask and PHP/Laravel. I have collaborated with diverse global teams, thriving in agile environments, and adeptly handling projects in both UTC and EST time zones.

Technical Proficiencies:

Frontend Skills:
- HTML/HTML5, CSS/CSS3, LESS/SCSS, Tailwind CSS
- React, Redux, Hooks, Gatsby, React Native, Next
- Vue, Vuex, Vuetify, Bootstrap Vue, Nuxt
- Angular, Directive, Factory, Services

Backend Skills:
- Node.js, Nest, Express, MongoDB
- Python, Flask, Django, PostgreSQL
- PHP, Laravel, CodeIgniter, Middleware, MySQL

Cloud Computing Experience:
- AWS EC2, S3, MWS, Lambda, Firebase
- Projects Management & Business Analysis
- Quality User Interface and User Experience, Responsive
- Payment Gateways Integrating (PayPal, Stripe, Apple Pay, Google Pay, Crypto Pay)
- Project & Repositories management using Git, Rello, hubstaff Asana, Bitbucket, Asana, Jira, Trello
- OS: macOS, Windows, Ubuntu

Scraping and Automation Skills:
- Selenium
- Cheerio
- Puppeteer
- Beautifulsoup
- Scrappy

Mobile Skills:
- React Native (Main Skill)
- Ionic (React, Angular)
- Android and Flutter
- IOS (Swift, XCode)

My work philosophy is guided by the equation High-Quality Work + Fast Speed = Excellent Results = Business Success, reflecting my dedication to delivering exceptional solutions that drive business growth.

Let's connect and explore how I can contribute to your team's success!

## ⚙ Professional Experience

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| 08/2021 — 06/2023 | **VA Leaders Inc,** *Full Stack Developer* 🔗 | Los Angeles, US |

As a freelance developer collaborating with Leaders Group, I've gained experience in building and maintaining Twilio web and mobile applications with a range of technologies, working with a team of skilled developers.

Key responsibilities:
- Developed Twilio web and mobile applications for job interviews of American Agents using Yii2 backend frameworks and modern frontend frameworks like React, Vue and Angular
- Utilized state management libraries such as Redux, Vuex and MobX for effective data management and user experiences.
- created backend solutions with Node.js, Express and MongoDB.
- Leveraged Python frameworks (Flask, Django) and PostgreSQL for robust backend systems.
- Developed and deployed smart contracts and interactive front-end designs for Dapps using blockchain technologies.
- Ensured quality UI/UI by implementing responsive designs and following best practices.
- Integrated payment gateways (PayPal, Stripe, Apple Pay) for seamless transactions.
- Managed projects and repositories using Git and project management tools (Trello, Asana, Jira).
- Demonstrated server management skills with AWS services (EC2, S3, MWS, Lambda) and Firebase.
- Built cross-platform mobile apps using React Native, Ionic and native technologies.

Key technologies:
- Frontend: HTML5, CSS3, LESS/SCSS, Tailwind CSS, React, Redux, Vue, Vuex, Angular
- Backend: Node.js, Nest, Express, MongoDB, Python, Flask, Django, PostgreSQL, PHP, Laravel, CodeIgniter
- Blockchain: Blockchain protocols, Consensus protocols, Smart Contracts, Cryptography algorithms

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| 06/2020 — 06/2021 | **Lufthansa Industry Solutions, hamburg,** *Software Engineer* 🔗 | Hamburg, Germany |

Following the successful completion of my internship program, I was presented with an exciting opportunity to work with Lufthansa on a one-year contract, collaborating with a prestigious company based in Germany and other countries.

Joining a specialized team within Lufthansa, my primary focus revolved around building and implementing APIs, as well as applying Object-Oriented Programming (OOP) software design patterns, primarily utilizing JavasScript and Python.

During my tenure, I demonstrated proficiency in a wide array of technologies:

Frontend:
- JavaScript: Proficient in React and Angular.
- Markup: Expert in HTML5.
- Styling: Proficient in CSS3 and SCSS.
- Frameworks: Experienced with Bootstrap

Backend:
- JS Environments: Proficient in Node.js, Next.js and Express.js.
- Frameworks: Skilled in Meteor, Django, and Flask.
- Authentication: Experience with Passport.js.

Cloud Computing:
- AWS: Well-versed in various services (EC2, S#, Lambda, RDS).
- GCP: Proficient with GCP SDK.

Additional Tech Stacks:

- Database: Skilled in SQL (MySQL, PostgreSQL) and NoSQL (MongoDB, Cassandra).
- Version Control: Proficient in Git.
- Containerization: Familiar with Docker.
- CI/CD: Experienced in Jenkins, CircleCI.

Testing Tools: Proficient in Jest, Mocha, Jasmine, PyTest.
APIs: Expert in RESTful API and GraphQL.
State Management: Experienced in Redux and NgRx.

Throughout the contract, I contributed significantly to the development and delivery of high-quality projects, leveraging my expertise in these cutting-edge technologies. I relished the opportunity to work with a renowned organization like Lufthansa and gained valuable experience in building APIs, designing OOP software, and utilizing various frontend and backend frameworks.

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| 08/2018 – 06/2020 | **Integratech Pte Ltd,** *Software Developer* 🔗 | Singapore, Singapore |

In my academic years at Integratech, I secured an intern role with Ltd-al as a Software Developer for an intensive year-long program. This unpaid internship was instrumental in transitioning my theoretical knowledge into practical skills. Upon completion, Ltd-al extended a full-time offer acknowledging my capabilities.

I started with a three-week rigorous training, familiarizing me with diverse technologies crucial to Ltd-al's projects. Guided by experienced developers, I integrated seamlessly into the software development and systems integration operations.

Initially, I honed skills in frontend and backend tools, subsequently advancing to building intricate frontend interfaces and robust backend connections. My primary tech-stack during this time encompassed JavaScript, Python, and WordPress.

Throughout the tenure, I witnessed exponential growth as a developer, bolstering my skills, confidence, and competence in handling complex projects. This phase significantly bridged the gap between my academic studies and practical implementation in the software domain.

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## 🎓 Education

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| 09/2010 – 07/2014 | **High School Diploma,** *ACS (Independent)* 🔗 | Singapore, Singapore |

During my academic tenure, I have consistently engaged in diverse extracurricular activities and university societies, seizing opportunities to broaden my horizons and augment my overall collegiate experience. These pursuits provide invaluable platforms for personal growth, skill enhancement, and robust social interaction.

I've successfully undergone a rigorous curriculum that integrates the tenets of computer science and engineering, with a special focus on the design, implementation, and maintenance of software systems. This has equipped me for various career trajectories including software development, web development, systems analysis, database management, and cybersecurity. My academic journey has instilled in me the essential skills and understanding required to keep abreast of emerging technologies and foster perpetual learning in the dynamic realm of software engineering.

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| 10/2015 – 07/2018 | **Bachelor of Applied Science - BASc,** *Singapore University of Technology and Design (SUTD)* 🔗 | Singapore, Singapore |

In my role as a university student, I've been proactive in participating in diverse activities and societies available on campus. These pursuits serve to enrich my university experience and broaden my perspective, offering avenues for personal development, honing skills, and fostering social interactions.

I've successfully accomplished a rigorous program that intertwines the principles of computer science and engineering, with a core focus on the design, creation, and maintenance of software systems. This comprehensive education positions me well for a variety of career paths such as software development, web development, systems analysis, database administration, and cybersecurity. The skills and understanding gained from my studies equip me to readily adapt to emerging technologies and sustain continuous learning in the swiftly changing landscape of software engineering.

## 🧠 Skills

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| Twilio | ● ● ● ● ● | Frontend | ● ● ● ● ● |
| Backend | ● ● ● ● ● | Serverless Architecture | ● ● ● ● ○ |
| Microservices Architecture | ● ● ● ● ○ | Object-Oriented Programming (OOP) | ● ● ● ○ ○ |
| Test-Driven Development (TDD) | ● ● ● ○ ○ | Domain-Driven Design (DDD) | ● ● ● ○ ○ |
| S.O.L.I.D Principles | ● ● ○ ○ ○ | Cloud Infrastructure | ● ● ● ● ● |
| Web Security Knowledge | ● ● ● ○ ○ | Package Managers | ● ● ● ● ○ |
| Web Components | ● ● ● ○ ○ | Mobile Applications | ● ● ● ● ● |
| Desktop Applications | ● ● ● ● ● | Relational Databases | ● ● ● ● ● |
| CI/CD | ● ● ● ● ● | Infrastructure as Code | ● ● ● ● ○ |
| Networking Protocols | ● ● ● ● ○ | JavaScript | ● ● ● ● ● |
| TypeScript | ● ● ● ● ● | Python | ● ● ● ● ● |

## 📘 Certificates

- Coursera Certification Secure Full Stack Mean Developer
- Certificate Of Completion TypeScript Essential Training
- Certificate Of Completion Node.js Essential Training
- Certificate Of Completion DevOps Foundations
- Certificate Of Completion React.js Essential Training
- Certificate Of Completion Python Advanced Design Patterns
- Certificate Of Completion Functional programming with Python

## 🌐 Languages

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| English | ● ● ● ● ● | German | ● ● ○ ○ ○ |
| Chinese | ● ● ● ● ○ | Hebrew | ● ● ● ○ ○ |