Chris Gan

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SUMMARY

Full Stack Developer with 3+ years of experience building scalable digital products and AI solutions using ReactJS, NodeJS, and Python. Strong background in system design, cloud technologies, and delivering clean, efficient code. A proactive problem-solver with expertise in collaborating across remote teams, driving innovation, and optimizing performance.

EDUCATION

Master of Science in Computer Science (OMSCS) **Expected Start: Jan 2025**
Georgia Institute of Technology *Atlanta, United States*

BSc (Hons) in Actuarial Science & Finance **May 2016 - Aug 2019**
UCSI University *Kuala Lumpur, Malaysia*

CERTIFICATIONS

AWS Certified Cloud Practitioner **Oct 2025**
Microsoft Certified: Azure AI Engineer Associate (AI-102) **July 2025**

SKILLS

Programming Languages	Typescript | JavaScript | Python | Java
Frontend / Backend Development	ReactJS | Angular | NodeJS | ExpressJS | FastAPI | Pydantic | Django
Databases	SQL | NoSQL | MongoDB | PostgreSQL
Cloud / DevOps	AWS | Azure | Docker | RabbitMQ | Kafka
Testing / Monitoring	Jest | React-Testing-Library | OpenTelemetry | Cypress | Git

EXPERIENCE

Tigerlab **Aug 2021 - Current**
Software Engineer *Cologne, Germany (Remote)*

- Led the development of scalable UI components using ReactJS and Angular, boosting user engagement by 40% and driving over USD 3M in policy sales.
- Engineered Python APIs using Django, processing 2M+ monthly transactions while integrating with front-end systems.
- Streamlined deployment by implementing CI/CD pipelines with GitHub Actions, cutting deployment time by 25%.
- Achieved 98% code coverage with Jest, React-Testing-Library and Cypress, reducing QA time by 25%.
- Spearheaded code reviews and Agile Scrum practices, mentoring junior developers and ensuring timely delivery.

Hong Leong Bank **Nov 2018 - Feb 2019**
Software Engineer Intern *Kuala Lumpur, Malaysia*

- Contributed to the development of banking applications using Angular and NodeJS, collaborating with senior developers to implement responsive UI components and ensure smooth back-end communication.
- Contributed to unit and integration tests with Karma and Jasmine, improving application reliability and performance.
- Contributed to containerization using Docker and gained experience in microservices architecture and n-tier software design, improving deployment efficiency and ensuring scalability.
- Collaborated on developing data-driven features, contributing to the design of AI-powered financial tools aimed at enhancing user personalization and automating key banking services.

NOTABLE PROJECTS

Cochlear Quote System

- Engineered a specialized embedded insurance platform, serving over 200,000 users annually, enhancing customer satisfaction and policy engagement.
- Developed and integrated multilingual support with ReactJS and react-intl for English and Italian users, increasing user retention and engagement by 20%.

Purbeck Insurance Platform

- Crafted a robust Personal Guarantee Insurance platform using Angular, Angular Material, and Stripe, boosting operational efficiency by 25% and streamlining user transactions.
- Optimized development by 40% through Webpack module federation and microfrontend architecture.
- Integrated Sentry and GTM for real-time error tracking and user analytics, reducing debugging time by 30% and enhancing data-driven decisions.

Cloud-Based Service Request Management System

- Independently designed and developed a full-stack serverless request management platform using NodeJS and ReactJS, providing a highly responsive and seamless user experience.
- Architected the application with AWS services including Cognito, Lambda, and API Gateway for secure, scalable performance, while optimizing efficiency with AWS S3 and DynamoDB for cost-effective storage and database management.