Zhaoyan (Ian) Cong

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Summary

Software Developer with 1 year of full-time work experience, a strong foundation in crafting clean, scalable code for business applications, and extensive expertise in AWS services. Skilled in building and deploying responsive, high-quality applications within cloud environments, I excel in collaborating with stakeholders in Agile/Scrum frameworks. Committed to leveraging my technical abilities in challenging development projects, I am driven to continuously deliver innovation and efficiency.

Skills

Front End:	TypeScript, JavaScript ES6/ES7/ES8, React JS, Redux JS, HTML5, CSS3, SASS, Tailwind CSS, Webpack, Responsive Design
Back End:	Node.js, Next.js, Express.js, CORS, GraphQL, Django, JAVA SE 17
Cloud Service:	AWS Lambda, AWS API Gateway, AWS CloudFront, AWS CloudFormation, AWS S3, AWS EC2, AWS ECS, AWS Route 53, AWS SQS, AWS SNS, AWS SageMaker
Database:	MongoDB, DynamoDB, MySQL, PostgreSQL
Auth:	OAuth 2.0, JSON Web Tokens (JWT), AWS Cognito, Firebase Auth
Test:	Jest, Mocha, Chai, Cypress, Postman, Swagger
DevOps:	Docker, Jenkins, Terraform, Kubernetes, GitHub Actions, GitLab CI, Bitbucket Pipelines
Architectures:	Service Oriented Architecture (SOA), Object-Oriented Architecture (OOA), RESTful APIs, Microservices
Tools:	Notion, Trello, Jira, Figma

Work Experience

Viva Leisure   **Canberra, Australia**
Backend Developer   Oct 2024 – Current

- Design and implement backend APIs for the member portal using AWS serverless frameworks, including **DynamoDB**, **Lambda**, and **API Gateway**, to deliver scalable and cost-effective solutions
- Identify appropriate mapping strategies, transforming the relational data model to fit the target non-relational database's schema design (e.g., document, key-value, column-family, or graph-based)
- Develop and maintain the frontend pages of the member portal using **React** and **Styled Components**, ensuring responsive and user-friendly design across various devices
- Collaborate with cross-functional teams to ensure seamless integration between frontend and backend components, enhancing the overall user experience
- Apply best practices for code quality and maintainability, employing modular design and reusable components for both frontend and backend

Qixin Co Pty Ltd   **Canberra, Australia**
Full Stack Developer   Sep 2024 – Oct 2024

- Responsible for both backend and frontend development using **React** and **Express.js**, with **Firebase** as the backend database
- Designed and implemented the backend architecture, ensuring optimised performance, scalability, and maintainability across the application
- Delivered a fully functional MVP in under 4 weeks, accelerating product testing and feedback cycles

Cyberlark Studio   **Brisbane, Australia**
Full Stack Developer   Mar 2024 – Aug 2024

- Responsible for the development of serverless backend solutions for a property CRM system using **AWS CDK** and **TypeScript**, enhancing integration and efficiency across AWS services
- Developed a serverless API with **AWS Lambda** and **API Gateway** for efficient CRUD operations and implemented advanced security and scalability features, including **DynamoDB** for scalable storage and **Amazon Cognito** for secure authentication
- Achieved **zero downtime** during releases by implementing CI/CD pipelines and comprehensive unit tests with **Jest**

Mandala Partners   **Canberra, Australia**
Research Assistant   2024.2 - 2024.6

- Spearheaded the independent development of an innovative tool leveraging zero-shot learning techniques, designed to conduct in-depth qualitative economic analysis on corporate documentation
- Leveraged **AWS SageMaker** for optimal model performance, achieving a 70% reduction in analysis time and supporting scalable, efficient data processing
- Validated the tool's effectiveness in handling diverse documents from various stock markets with a 72% accuracy rate

World Bank Group   **Canberra, Australia**
Trade-related Climate Change Policy Consultant   2022.3 - 2023.6

- Utilised **Python** for various data management tasks and **PostgreSQL** for database querying, enhancing the efficiency, accessibility, and user-friendly nature of the vast data collected, delivered climate-related trade data of G20 countries used in policy briefing reports for stakeholders in 4 months

Education

Master of Computing   Feb 2023 – Dec 2024
Australian National University

- GPA: 5.88/7.00, Distinction Average
- Relevant Coursework: Software Engineering, Relational Database, Structured Programming, Artificial Intelligence, Date Engineering

Bachelor of International Relations & Bachelor of Economics   Feb 2018 – Dec 2022
Australian National University

- GPA: 6.59/7.00, Distinction Average (Top 5%)
- Relevant Coursework: Statistical Analysis, Applied Mathematics

Certifications

AWS Certified Developer – Associate   2024.7 - Current

- Validated my proficiency in writing applications with AWS service APIs, AWS CLI, and SDKs; using containers; and deploying with a CI/CD pipeline

Awards

Kate North Prize *(Highest Achieving Student in ANU First-year Russian Language Course)*   Dec 2018

References

Available Upon Request