Zhaoyan (Ian) Cong

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Summary

Software Developer with 3 years of 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, Responsive Design
- **Back End**: Node.js, Next.js, Express.js, Winston.js, CORS, GraphQL, Django, JAVA SE 17
- **Machine Learning**: PyTorch, TensorFlow, Scikit-learn, imbalanced-learn, XGBoost, CatBoost, NLTK, Gensim, Keras
- **Cloud Services**: AWS Lambda, AWS API Gateway, AWS CloudFront, AWS CloudFormation, AWS Cognito, AWS S3, AWS EC2, AWS ECS, AWS Route 53, AWS SQS, AWS SNS, AWS SageMaker
- **Database**: MongoDB, DynamoDB, MySQL, PostgreSQL
- **Architectures**: Service Oriented Architecture (SOA), Object-Oriented Architecture (OOA), RESTful APIs, Microservices
- **Development Tools & Platforms**: Jira, BitBucket, Postman, GitHub, GitLab, Trello
- **DevOps**: Docker, Jenkins
- **Methodologies**: Agile, Scrum, Kanban, Test Driven Development, Behaviour Driven Development

Work Experience

Viva Leisure   **Canberra, Australia**
Full Stack Developer   2024.10 – Current

- Developed and maintained the frontend pages of the member portal using **React** and **Styled Components**, ensuring responsive and user-friendly design across various devices
- Designed and implemented backend APIs for the member portal using AWS serverless frameworks, including **DynamoDB**, **Lambda**, and **API Gateway**, to deliver scalable and cost-effective solutions
- Collaborated with cross-functional teams to ensure seamless integration between frontend and backend components, enhancing the overall user experience
- Applied 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   2024.9 – 2024.10

- 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
- Developed a caching mechanism to improve the performance and efficiency of data retrieval, reducing server response times
- Designed and managed state management using **Redux** to ensure efficient and consistent data flow between components

Cyberlark Studio   **Brisbane, Australia**

Full Stack Developer   2024.3 – 2024.8

- 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
- Adhered to Test-Driven Development principles, conducting comprehensive unit testing with **Jest** to ensure the code quality and system reliability standards

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

Soochow Securities Co., Ltd.   **Shanghai, China**

Equity Research Intern   2020.7 - 2020.10

- Independently developed a data template in Excel, integrating **Python** scripts to fetch market data from a cloud database automatically, achieving a 95% decrease in report production time

Project Experience

Weather App   2024.1 - 2024.2

- Developed a responsive weather application leveraging **ReactJS** & **Node.js**, featuring live weather updates, forecasts, air quality indices, and search history functionality within an interface styled with **Tailwind CSS**
- Implemented **RESTful APIs** & **Moment.js** for efficient data fetching and management, utilised **AWS S3** for deployment, ensuring scalable and reliable access to weather data

Education

Australian National University   **Canberra, Australia**

Master of Computing (Specialising in Data Science)   2023.2 - 2024.12

- GPA: 5.88/7.00, Distinction Average

Bachelor of International Relations & Bachelor of Economics   2018.2 - 2022.12

- GPA: 6.59/7.00, Distinction Average (Top 5%)

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

References

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Available Upon Request

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