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ABSTRACT

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Resourceful and motivated with a passion for software and web development. Experienced in building robust and user-friendly web applications from scratch using UI and API frameworks. Experienced in contributing to large-scale projects with a focus on efficiency and user experience. Able to adapt, collaborate and communicate within diverse team environments. Interested in contributing technical and problem-solving skills to company's software product or service.

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WORK EXPERIENCE

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- **Financial Risk Group (GRG Consulting Sdn Bhd)** June 2025 – Present  
*Assistant Software Developer* Kuala Lumpur, Malaysia
  - Contributed to the development and maintenance of the company's Visualization of Risk (VOR) platform.
  - Developed an internal AI agent web application from scratch using Strands Agents, AWS Bedrock, React, Django, and PostgreSQL to improve the onboarding of financial portfolio data for the business analytics team.
  - Performed root-cause analysis & investigation for bug fixes concerning Angular UI and Django API for VOR.
  - Created comprehensive feature & bug fix pull requests on GitHub with detailed summary, problem statement, solution and test plan to reduce technical debt and improve code documentation.
  - Assisted with code reviews and automated testing workflows to ensure code quality and timely delivery.
- **Estee Lauder Malaysia Sdn Bhd** September 2024 – February 2025  
*Software Engineer Intern* Kuala Lumpur, Malaysia
  - Contributed significantly to the development and delivery of the **Support Portal**, a critical internal web application streamlining data resend and data sync processes from the source database of a proprietary retail point-of-sale software system to various external downstream applications and services, to improve the operational efficiency for multiple Asia-Pacific affiliates of Estee Lauder Companies organization.
  - Developed over 15 interactive UI screens and components for the Support Portal using React.js, TypeScript & Material-UI, resulting in a user-friendly frontend interface for managing data resend and data sync requests.
  - Developed REST API endpoints using Spring Boot and Java following MVC pattern to support functionalities, including multi-level user authentication and registration, data resend and data sync services, history service table listings, admin account maintenance, user profile, and data visualization dashboard.

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EDUCATION

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- **Bachelor of Information Technology (Hons.) in Software Engineering** Sept 2021 - March 2025  
*Universiti Kuala Lumpur - Malaysian Institute of Information Technology* Kuala Lumpur, Malaysia
  - CGPA: **3.78/4.00** (First Class Honours) — Foundation Year: **3.67/4.00** — SPM: **3A+, 6A, 1B+**.
  - Relevant Coursework: Object-oriented Programming, Data Structures & Algorithms, Internet Programming, Mobile Computing, Database Systems, Software Testing, Computer Network.

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TECHNICAL SKILLS

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**Programming Languages:** HTML, CSS, Java, Python, JavaScript (TypeScript), PHP, Go, Makefile, Shell

**UI/Frontend:** React.js (Next.js, Vite, React Router, Material-UI, Shadcn-UI, Redux Toolkit, Axios, Vitest), Angular (RxJS, Signals, Components, Templates, Angular Material, PrimeNG), Java Server Pages (JSP, JSTL), Microfrontend Web Components, Tailwind CSS, Bootstrap, SCSS

**API/Backend:** Python (Django, FastAPI), Spring Boot, Jakarta Servlets, Vanilla PHP, Node.js (Express.js), JWT & OAuth, REST API, OpenAPI

**Databases:** PostgreSQL, MySQL, MSSQL Server, MinIO, SQLite, JSON, CSV, XML, Appwrite, AstraDB


**Dev Tools:** VS Code, Git, Docker Compose, Dockerfile, Apache, Caddy, Nginx, DBeaver, Postman, cURL

**Deployment:** AWS EC2, DigitalOcean Droplet, Hetzner, Cloudflare Tunnel, Ngrok Tunnel, Vercel, Netlify, Coolify

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PROJECTS

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- **Catalogd** 
  - Developed a full-stack social cataloging platform for the video game community, enabling users to organize, review, and discover titles.
  - Engineered secure authentication with Next.js SSO, integrated real-time data from public REST APIs, and designed responsive interfaces using Tailwind CSS.
  - Leveraged Appwrite for scalable catalog storage and implemented advanced features such as vector-based similarity search, personalized recommendations, and interactive chat rooms.

- **AI Game Recommender** [↗](#)
  - Built an AI-powered game recommender web application using Next.js and AstraDB SDK, utilizing OpenAI text-embed model to calculate vector embeddings to deliver functional recommendations and semantic similarity search from a dataset of 20,000+ video game titles.
- **Country Economic Indicator Analytics Dashboard** [↗](#)
  - Built a full-stack analytics dashboard (Java Spring Boot, React.js, MySQL) to visualize and compare key economic indicators across countries.
  - Designed interactive data visualizations for GDP, population, education, inflation, and labor statistics, enabling users to gain actionable insights from global datasets.
- **To-Do List** [↗](#)
  - Engineered a full-stack to-do list application bridging modern Angular frontend with a simulated legacy COBOL backend via Node.js and Express.js middleware.
  - Automated deployment and environment simulation using Docker Compose, demonstrating proficiency in containerization and legacy system integration.
- **Java Jakarta Servlet Starter Web App** [↗](#)
  - Created a comprehensive Java web application for managing member records with full CRUD functionality.
  - Demonstrated the implementation of MVC architecture using Jakarta Servlets for REST API with JSON; JWT and Email service with Maven dependencies, Angular 19 for modern user interface, and MySQL database all containerised inside of Docker Compose.
- **PHP Starter Web App** [↗](#)
  - Developed and containerized multiple PHP web applications (vehicle rental management, movies/cars database, calculators) using Docker Compose for streamlined development and deployment.
  - Enhanced web development skills by integrating PHP, Apache, MySQL, and Tailwind CSS, focusing on modular design and maintainability.
- **RAWG to VectorDB** [↗](#)
  - Designed and implemented Python script pipeline to fetch video game data from the RAWG API; clean, filter, and store in an SQLite database, generate OpenAI vector embeddings, and ingest the results into a vector-enabled AstraDB collection, successfully processing 20,000+ rows of video game data for semantic search.

## CERTIFICATES

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- **Google IT Automation with Python Specialization** [↗](#) — *Coursera*
  - Utilized Python scripting to automate tasks and manage IT resources across physical & cloud-based VMs.
- **Google IT Support Specialization** [↗](#) — *Coursera*
  - Acquired skills for entry-level IT support, including computer assembly, networking, installation & service. Gained experience in troubleshooting & debugging, and proficiency in using Linux, DNS, & CLI.
- **Google Cybersecurity Specialization** [↗](#) — *Coursera*
  - Developed an understanding of cybersecurity practices and their impact using SIEM tools.
- **Google UX Design Specialization** [↗](#) — *Coursera*
  - Conducted UX research and applied user-centered design principles.
- **Malaysian University English Test (MUET)** — *Majlis Peperiksaan Malaysia (MPM)*
  - Band Achieved: 4.5

## SPOKEN/WRITTEN LANGUAGES

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- Bahasa Melayu - Native proficiency
- English - Professional and conversational proficiency