

# AAREN GIBSON

I like Web and Game Development

 Malaysian

 8th December 1999

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## LANGUAGES

 English

 Malay

## SKILLS

 Self Taught  Education  Work Experience

 PHP	<div style="width: 100%;"></div>			
 HTML	<div style="width: 100%;"></div>			
 CSS	<div style="width: 100%;"></div>			
 JQuery	<div style="width: 100%;"></div>			
 Bootstrap	<div style="width: 100%;"></div>			
 ElectronJS	<div style="width: 100%;"></div>			
 NodeJS	<div style="width: 100%;"></div>			
 JavaScript	<div style="width: 100%;"></div>			
 Java	<div style="width: 100%;"></div>			
 JSP	<div style="width: 100%;"></div>			
 SQL	<div style="width: 100%;"></div>			
 Golang	<div style="width: 100%;"></div>			
 C#	<div style="width: 100%;"></div>			
 C++	<div style="width: 100%;"></div>			
 VB.NET	<div style="width: 100%;"></div>			
 MySQL	<div style="width: 100%;"></div>			
 PostgreSQL	<div style="width: 100%;"></div>			
 IBM DB2	<div style="width: 100%;"></div>			
 R	<div style="width: 100%;"></div>			
 Python	<div style="width: 100%;"></div>			
 Substance	<div style="width: 100%;"></div>			
 Cinema 4D	<div style="width: 100%;"></div>			
 Blender	<div style="width: 100%;"></div>			
 ZBrush	<div style="width: 100%;"></div>			
 Marvelous	<div style="width: 100%;"></div>			
 GIMP	<div style="width: 100%;"></div>			
 Photoshop	<div style="width: 100%;"></div>			
 Premiere	<div style="width: 100%;"></div>			
 Unreal	<div style="width: 100%;"></div>			
 Unity	<div style="width: 100%;"></div>			
 Visual Studio	<div style="width: 100%;"></div>			
 VSCode	<div style="width: 100%;"></div>			
 Eclipse	<div style="width: 100%;"></div>			
 Subversion	<div style="width: 100%;"></div>			
 Git	<div style="width: 100%;"></div>			
 Google Cloud	<div style="width: 100%;"></div>			
 AWS	<div style="width: 100%;"></div>			
 PHPAdmin	<div style="width: 100%;"></div>			
 WebSphere	<div style="width: 100%;"></div>			
 JBoss	<div style="width: 100%;"></div>			

## EXPERIENCE

### Microlink Solutions • 2023-Today

Front and back end programming in the FCS department, working on banking software for Bank Negara Malaysia. Worked on the following projects:

#### FAST Replatform on Cloud

Worked on a project to migrate the Fully Automated System for Tendering and Issuance (FAST) to AWS:

- ▶ Updated source code from Java 8 to Java 23.
- ▶ Changed server from IBM WebSphere to JBoss EAP.
- ▶ Migrated database from IBM DB2 to PostgreSQL.
- ▶ Added Redis using AWS ElastiCache for session management.
- ▶ Added SAML Single-Sign-On functionality using Auth0/Falaina.
- ▶ Helped intergrate Email OTP login using AWS SES.

#### Debt, Securities, Issuance (DSI) Prototype

- ▶ Developed a prototype web application called DSI.
- ▶ Used Spring, MySQL and Bootstrap.
- ▶ Created backend REST API, frontend UI and graphing functions.

#### FAST CSP Enhancement

Worked on a project to make the Fully Automated System for Tendering and Issuance (FAST) system CSP-compliant.

- ▶ Changed front and back end code.
- ▶ Apache configuration.
- ▶ UI upgrades.

## EDUCATION

### Asia Pacific University • 2020 - 2022

Completed the following courses:

- ▶ BSc in Computer Science
- ▶ Diploma in ICT with Data Informatics

#### Final Year Project

- ▶ Researched application of Machine Learning in games.
- ▶ Created racing game that uses AI/ML to control NPC vehicles.
- ▶ Used Unity, C#.

#### Software Development Project

- ▶ Created a fully functional job search web application.
- ▶ Used PHP, JS & MySQL.

## ON MY OWN TIME

### Web Development

- ▶ Freelance web development.
- ▶ NodeJS Minecraft Launcher project.
- ▶ Personal websites.

### Graphic design

- ▶ Freelance graphic designs for apparel.
- ▶ Creating UIs & icons for websites.

### Gamedev

- ▶ Modding for Arma 3 & Minecraft.
- ▶ Freelance 3D assets & animations.
- ▶ Hobby gamedev using C++/OpenGL, Unreal, Unity.