

Joshua Edwin Rene Bonham

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CAREER OBJECTIVE

Final-year Software Engineering student with strong skills in full-stack development, data analysis, and performance optimisation. Proficient in Python, JavaScript, React, and SQL, with hands-on experience in building scalable applications and AI-powered features. Passionate about creating user-focused software that solves real-world problems; eager to contribute to impactful projects. Available for internship opportunities: 19 Jan 2026 - 17 Apr 2026.

SKILLS

Programming Languages: Java, Scala, Python, JavaScript, HTML, CSS, PHP
Frameworks & Libraries: React, Tailwind CSS, Firebase, Google Gemini AI, ScalaFX, JavaFX
Databases & APIs: Oracle SQL, MongoDB, RESTful APIs
Tools & Platforms: Agile, VS Code, Git, Figma, Docker, Oracle Cloud Infrastructure, Microsoft Office, Squarespace
Soft Skills: Leadership, Team Collaboration, Communication, Project Management, Time Management
Languages: English (Native), French (Fluent), Afrikaans (Conversational)

EDUCATION

Bachelor of Software Engineering (Hons) <i>Sunway University & Lancaster University</i> Current CGPA: 4.00 Relevant Coursework: Object Oriented Programming, Web Programming, Software Engineering, Database Fundamentals, Requirement Engineering, Data Structures & Algorithms, Computer Mathematics.	Subang Jaya, Malaysia <i>September 2023 – Graduation Date: August 2026</i>
GCE Advanced Level <i>Lighthouse Primary & Secondary School</i> CGPA: 4.00 Subjects: Accounting (A*), Business (A*), Mathematics (A)	Calebasses, Mauritius <i>April 2019 – November 2022</i>

CERTIFICATIONS

Oracle Cloud Infrastructure 2025 Certified Generative AI Professional <i>Oracle University</i>	Remote <i>August 2025</i>
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- Validated expertise in using OCI's Generative AI services to build, deploy, and manage AI-powered applications.

EXPERIENCE

Frontend Developer & Social Media Manager <i>Asia Arts Festival Malaysia</i>	Ipoh, Malaysia <i>May 2024 – July 2024</i>
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- Engineered the first Asia Arts Festival Malaysia website using JavaScript, HTML/CSS and Squarespace.
- Implemented responsive UI and cross-browser fixes for festival site (desktop & mobile), improving stability and load times by 25% during a 30-day campaign.
- Spearheaded social media campaigns with a 3-member team, driving 700+ event registrations.

Web App Designer & Lead Presenter <i>ImagineHack 2024 Hackathon</i>	Subang Jaya, Malaysia <i>June 2024</i>
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- Developed a gamified web application featuring a virtual-pet reward system to improve financial habits.
- Collaborated with a team to implement MongoDB, Svelte, AI integration, and time management frameworks.
- Presented technical solution architecture to judges, earning 1st Runner-Up and Best Pitch Awards.

PROJECTS

Full-Stack Developer

Subang Jaya, Malaysia

Budget-Tracker App

April 2025 – Present

- Designed React frontend with AI-powered OCR for receipt parsing, reducing manual data entry by 80%.
- Implemented FastAPI/MongoDB/Python backend in Docker containers with Firebase Auth and CSRF protection.
- Designed and implemented reusable UI components (forms, modals, charts) using Tailwind CSS, improving R&D efficiency for future features.

Scala Game Developer

Subang Jaya, Malaysia

Harvest For All – 2D Pixel-Art Farming Simulator Game

June 2025 – August 2025

- Built a fully OOP-structured 2D pixel-art farming simulator in Scala with a ScalaFX GUI with core class hierarchy (Farm, Crop, Player, Village) using inheritance and polymorphism.
- Implemented farming & trading systems – crop growth cycles, resource management, inventory, and dynamic market pricing, SDG-2 educational quiz module to enable strategic gameplay and reinforce sustainable practices.
- Implemented a robust save-state system and optimised game performance for smooth, responsive gameplay.

LEADERSHIP

Vice President of Operations

Subang Jaya, Malaysia

Sunway University Mauritian Community

September 2024 – Present

- Oversee operations, manage committees, and lead budgeting for community events.

Executive of Education Department

Subang Jaya, Malaysia

Sunway Tech Club, Sunway University

June 2025 – Present

- Coordinated a 5-week GenAI Study Jam for 900+ participants, sourcing speakers and ensuring 99% uptime.

Board of Studies Member

Subang Jaya, Malaysia

Faculty of Engineering and Technology, Sunway University

January 2025 – July 2025

- Advise on academic standards and strategy, contributing to degree scheduling and teaching effectiveness.

Executive of Training & Development & Logistics

Subang Jaya, Malaysia

Sunway Global Friends Community (Student Leadership Body)

January 2024 – November 2024

- Led training for 20+ members on public speaking and cultural awareness.
- Negotiated vendor agreements boosting event funding by 60%.

VOLUNTEER EXPERIENCE

Executive of Games Department

Subang Jaya, Malaysia

Malaysian CARE Bumblebee Program (Non-profit Organisation)

December 2023 – Present

- Led 50+ sessions for underprivileged children, covering English, Math, motor skills, and team building.
- Achieved 30% average improvement in English, Math, and problem-solving scores.

AWARDS

Dean's List Award (September 2024, February 2025, April 2025)

Faculty of Engineering and Technology, Sunway University

- The Dean's List is an honour reserved for the students who have achieved outstanding academic performance.

ImagineHack 1st Runner Up & Best Pitch Award (June 2024)

Taylor's University Agents of Tech

- Awarded for developing and pitching a fully functional web app for a user's budgeting needs.

Jeffrey Cheah Entrance Scholarship (September 2023)

Sunway University & Lancaster University

- Recognised for achieving excellent academic results in pre-university qualifications, awarded based on merit.