

PANHA SIM

Software Engineer

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SUMMARY:

Aspiring to be a Full-Stack and Embedded Engineer with a strong foundation in software development, IoT Device and hands-on experience in project development. A methodical and organized problem solver, eager to contribute to a dynamic team and take ownership of challenging projects.

EDUCATION:

- **Bachelor of Science in Software Engineering**
GPA: 3.5
Grand Canyon University, Expected April 2024
- **High School Diploma, GPA: 3.8**
Shadow Mountain High School, 2020
Achievement: Honor Roll, Super Attendance

EXPERIENCES:

➤ Engineering Technician

GCU 📍 Phoenix, Arizona 📅 Dec 2023 – present

- Developed and implemented a new sign-in system, utilizing Reacts, Express.js, and MongoDB.
 - Assisted students in operating and understanding workshop machinery.
 - Conducted regular safety and usage training sessions for new students.
 - Troubleshoot and resolved various technical issues in the workshop.
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PROJECTS:

- **Full-Stack Blog Post Application (Mern-Stack):**
 - Developed a full-stack blog application, demonstrating initiative and responsibility in implementing robust user authentication and Blog posting functionality.
 - **Tech Uses:** React.js, CSS, JavaScript, Node.js, Express.js, and MongoDB.
- **Morse Code Decoder FPGA (C Language):**
 - Built a Morse Code Decoder on a DE-10 Standards board that allow user to input morse code (Dot, Dash) on one button and the display in readable English on Built in LCD.
- **Back-End Hospital Appointment Scheduler (Spring Boot):**
 - Applied methodical problem-solving to design a Spring Boot server for efficient patient and doctor record management and appointment scheduling.
 - **Tech uses:** Java, Spring boot, JPA, Postgres, Rest API.
- **3D-Interactive Portfolio Website (React.js):**
 - Creatively built a 3D-interactive portfolio website, demonstrating organizational skills in presenting experience and projects engagingly.
 - **Tech Use:** JavaScript, React.js, Node.js.
- **Discord Bot with ChatGPT API Integration (Node.js):**
 - Innovatively developed a Discord bot with OpenAI ChatGPT API integration, enhancing user interaction and displaying ownership of project development.

SKILLS:

- **Programming Languages:** Java, JavaScript, C, C++, C#, Python.
- **Web Development:** Spring Boot, React.js, HTML, CSS, JavaScript, Node.js, Express.js, Restful API, User Auth, ASP.NET Core MVC, CI/CD.
- **Database Management:** MongoDB, SQL Server, Postgres, Hibernate JPA, Mongoose, Relational and Non-relational databases.
- **Software & IDEs:** Quartus Prime, Jira, Confluence, Notion, IntelliJ, VS Code, Visual Studio 2022, Pycharm, Eclipse.
- **Version Control:** Git, GitHub, Bitbucket, Plastic SCM.
- **Soft Skill:** Agile and Scrum Methodologies, Organizational ability, Methodical thinking, Ownership, Responsibility, Teamwork, Creativity, Innovation, initiative.
- **Architecture:** Monolithic, Microservices, N-layer architect, MVC.

Relevant coursework: Relational Databases, Operating Systems, Computer Graphics, Digital Logic and Design, Human-Computer Interaction and Communication, Computer Architecture, Algorithms and Data Structures, Professionalism in Science & Technology-Communications, Object-Oriented Programming, Applied Linear Algebra, Calculus, Embedded System I, Embedded System II.

LANGUAGES

English:

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Native/ Bilingual

Khmer:

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Native/ Bilingual

WEBSITES, PORTFOLIOS, PROFILES

- <https://www.panha.work>
- <https://github.com/Panha-Sim>
- <https://www.linkedin.com/in/panha-sim-909195255/>