

# PANHAREACH PHAT

**Position:** Software Developer  
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## SUMMARY

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Computer Science graduate with extensive expertise in full-stack development and technical leadership. Proven track record of delivering high-impact projects spanning developer tools to scalable web applications, and real-world software solutions. Former Coding Club President and former open-source contributor, passionate about driving innovation, mentoring teams, and implementing cutting-edge technologies to solve complex problems.

## WORK EXPERIENCE

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### Lead Software Developer at BIKAY - 2024-Present

- Designed and implemented scalable backend architectures in Laravel and Node.js, improving API response times by 30% and supporting 50k+ concurrent users.
- Developed secure, RESTful API endpoints and optimized PostgreSQL queries, reducing database load by 40% while ensuring data integrity and compliance.
- Integrated frontend features with backend services, enabling seamless user experiences across multiple platforms.
- Built automated test pipelines and performed code reviews, increasing code coverage to 85% and reducing production bugs by 25%.
- Streamlined deployment workflows with Docker and CI/CD, cutting release times from hours to under 20 minutes.
- Authored technical documentation and API guidelines, reducing onboarding time for new developers by 50%.
- Led cross-functional collaboration with designers, QA, and product stakeholders, ensuring alignment of technical solutions with business goals.
- Contributed innovative solutions from open-source projects, accelerating feature delivery and strengthening team technical culture.

### EWS Knowledge Transfer App at BIKAY - 2024-2025

- Built and maintained backend with Laravel, Redis, Docker, PostgreSQL, enabling real-time knowledge transfer for enterprise users. Improved data sync efficiency by 30%, reducing downtime during handovers.

### World Health Organization – Patient Management System at BIKAY - 2024

- Designed and implemented a scalable patient management system handling 10k+ patient records securely. Integrated role-based access control and optimized database queries, cutting data retrieval time by 40%.

### Business AI App at BIKAY - 2025

- Developed an AI-powered business analytics app for CV matching, project offers, and chatbot support. Leveraged NLP and OpenAI APIs to automate recommendations, reducing manual workload by 50% for HR teams.

### Placodist at BIKAY - 2025

- Developed the first stage of the Placodist backend using Node.js, Fastify, PostgreSQL, and Prisma, covering all important foundation for others developers

### Huotracco eCRM (Cambodia & Laos) at BIKAY - 2025

- Contributed to the implementation and support of an enterprise CRM system, enabling efficient customer management across multiple regions.

## Coding Club President at CADT: 2022-2024

- Led and managed a team of 200+ students, fostering a culture of collaboration, knowledge-sharing, and innovation.
- Organized and facilitated regular workshops on programming fundamentals, problem-solving, and best practices in software development.
- Coordinated hackathons, coding challenges, and collaborative projects to enhance members practical skills.
- Mentored junior members, providing guidance on academic and personal career growth in tech.

## Technical Writer at Digital Community of Cambodia: 2022-2023

- Researched, wrote, and published 100+ technical articles and blogs covering programming, software engineering, and emerging technologies.

## Open Source Developer: 2022-2024

- Designed, developed, and maintained open-source packages, achieving over 1000 downloads on NPM.
- Actively contributed to GitHub projects, receiving recognition as one of the most active GitHub users in Cambodia (committers.top).
- Implemented bug fixes, performance enhancements, and feature requests from the developer community.

## EDUCATION

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### Bachelor of Computer Science in Software Engineering: 2022-2025

Cambodia Academy of Digital Technology (CADT)

- Relevant coursework in Math, Programming, Data Science, NLP Machine Learning, AI, Soft Skill,
- Selected to be President, Coding Club (2022 – 2023)

Reference: H.E. Samboeun Hean, Vice President at CADT

## CERTIFICATIONS

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- Career Essentials in Software Development by Microsoft - 2023
- Full-Stack Development by LinkedIn Learning - 2023
- Software Development Processes and Methodologies by University of Minnesota - 2023

## TECHNICAL SKILLS

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- Languages: JavaScript, TypeScript, PHP, Python, Java, C#, SQL
- Frameworks & Libraries: Laravel, Node.js, Express, Fastify, NestJS, React, Next.js, Django, Flutter
- Databases: PostgreSQL, MySQL, MongoDB, Redis, SQLite, Microsoft SQL Server
- DevOps & Cloud: Docker, CI/CD, Google Cloud, DigitalOcean, Nginx
- Tools: Git, GitHub, GitLab, JetBrains IDEs, Microsoft Teams
- Specialized: Web Development, Machine Learning, NLP, AI, System Design, Algorithms, Data Structure, Data Modeling

## SOFT SKILLS

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- Leadership & Mentorship: Guided and mentored team members
- Collaboration: Worked with cross-functional teams (design, QA, DevOps) to deliver enterprise apps.
- Communication: Published 100+ technical articles, simplifying complex topics for 10K+ readers.
- Problem-Solving: Improved system performance by 40% through architectural redesign.
- Adaptability: Quickly learned and applied Laravel in production project within 2 weeks

## ADDITIONAL INFORMATION

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- **Languages:** English (Fluent), Khmer (Native)
- **Tools & Technologies:** Git, JetBrains Products, GitHub, GitLab, Project Management Tools, Microsoft Teams, Telegram
- **Hobbies & Interests:** Gaming, Chess, Walking the Dog, Watching Movies
- **Professional Interests:** Open-source contributions, Technical content creation, Attending tech meetups and conferences
- **Languages/Frameworks Exposure:** PHP, TypeScript, NodeJs, Laravel