



Chey Somatra

Software Developer

☎ (+855) 93-477-703 | Telegram: <https://t.me/cheysomatra>

✉ somatrachey9527@gmail.com

📍 Boeng Salang, Toul Kork Phnom Penh, Cambodia
Sex: Male | Date of birth: 10 Feb 2004 | Nationality: Cambodian

PROFESSIONAL SUMMARY

Backend-focused developer with hands-on experience building scalable web application backends using **Java, Spring Boot, Spring Security, REST APIs, PostgreSQL, MongoDB, Docker, and Microservices architecture**. Experienced in designing database models, implementing secure authentication, developing API endpoints, integrating third-party services, and deploying backend systems. Strong interest in backend engineering, system design, and cloud-ready microservice development.

TECHNICAL SKILLS

Backend: Java, Spring Boot, Spring Security, Spring Data JPA, Hibernate, REST API, JWT, OAuth2

Microservices: API Gateway, Service Discovery, Spring Cloud, WebClient, Kafka, CQRS, Event Sourcing, DDD

Database: PostgreSQL, MongoDB, Database Design, Data Modeling

DevOps & Tools: Docker, Docker Compose, Git, GitHub

Frontend Knowledge: Next.js, React.js, Tailwind CSS

Payment & Integration: Bakong API, API Integration

RELEVANT SKILLS

Critical Thinking

Communication

Technological skills

Conflict Resolution

Organization

Problem Solving

Time Management

Attention to Detail

WORK EXPERIENCE & PROJECT

Institute of Science and Technology Advanced Development

IT Professional Course

March 2026 – June 2026

Project: AUTHGATE is a platform designed to help developers manage, secure, and expose their backend services through an API Gateway. It also offers powerful features like OAuth2 for authentication and authorization, and tunneling for real-time local testing.

Technologies: Java, Spring Boot, Spring Data JPA, Spring Data MongoDB, OAuth2, Spring Authorization Server, Spring WebFlux, Apache Kafka, Axon Framework, WebClient, API Gateway, Next.js, Turborepo, Micro Frontend, Multi-Zone Architecture, Docker, Liquibase, PostgreSQL, MongoDB.

Responsibilities:

- Mentored team members and explained technical concepts

- Analyse project requirements
- Design system and UX/UI of IAM feature
- Decompose applications of IAM service
- Apply Domain-Driven Design (DDD) of IAM service
- Analyze, design database structure and relationship for IAM service
- Implement microservices architecture
- Implement micro-frontend architecture
- Designed and developed IAM service to connect to the same centralized authentication server

Institute of Science and Technology Advanced Development

Full-Stack Web Development Course

August 2025 – October 2025

Project: RESTLAB is a modern API testing and mocking tool build with simplicity, collaboration, and automation in mind. It provides features that streamline the entire API lifecycle, from request execution to response validation, performance testing, and reporting.

Technologies: Spring Boot, Spring AI, Spring Security, Spring Data JPA (Hibernate), Oauth2, Keycloak, Next.js, Next Auth, Keycloakify, Docker, Nginx, Shadcn, RTK Query

Responsibilities:

- Designed backend architecture and database modeling
- Developed secure REST APIs using Spring Boot, Spring Security, and JWT
- Implemented role-based access control and authentication using Keycloak
- Developed Agent for local-host API testing
- Developed business logic for Mocking Data, API testing feature

Institute of Science and Technology Advanced Development

Web Foundation Course

February 2025 - March 2025

Project: ISHOP is an e-commerce platform dedicated to bringing you the latest and most high-quality electronic products. We are an online store that sells high-quality electronic products at great prices. Our website is easy to use, secure, and designed to give you a smooth shopping experience.

Technologies: React.js, RTK Query, React Router, Tailwind CSS, REST API Integration

Responsibilities:

- Lead and coordinate team members
- Developed responsive frontend pages using React.js and Tailwind CSS
- Integrated REST APIs using RTK Query
- Implemented payment with Bakong API
- Built reusable UI components and improved user experience
- Ensured responsive design across desktop and mobile devices

EDUCATION AND TRAINING

Institute of Science and Technology Advanced Development

IT Professional - Spring Microservice

Dec, 15th 2025 - Jun, 19th 2026, Mon-Fri, 4 hours per day, 550 hours

- Spring Boot & Spring Cloud fundamentals
- Reactive programming with Spring WebFlux
- REST API development & Spring REST Clients (WebClient, HTTP Interface)
- Database design & management (MongoDB, PostgreSQL, SQL vs NoSQL)
- Event-Driven Architecture (EDA) & Apache Kafka
- Change Data Capture (CDC) with Debezium
- OAuth2 implementation and security flows
- Microservices architecture design: decomposition, service-per-team, service-per-database
- Service communication patterns: API composition, CQRS, Event Sourcing, SAGA
- Axon Framework
- Resiliency patterns: Circuit Breaker, Retry, Rate Limiter, Bulkhead
- Observability & monitoring: Prometheus, Grafana, Micrometer, OpenTelemetry, distributed tracing, centralized logging
- Docker & Docker Compose for multi-environment deployments (dev, QA, prod)
- API Gateway, BFF Pattern, Token Handler Pattern, and server-side/client-side UI composition
- Cloud-native development & deployment with Spring ecosystem

Institute of Science and Technology Advanced Development
Bachelor of Information Technology

2025 - Present

- Application Security (Cybersecurity)
- Web Development II (Java, Spring Framework)
- Mathematics II (Business Statistic)
- Web Development III (Full Stack Web Development)
- UX and UI Design Professional
- Project Management

SETEC Institute
Management Information System

2024 - 2025

- C, C++, C# Programming
- A+
- Data Structure and Algorithm
- Web Development in HTML, CSS, JavaScript, Bootstrap
- Computer Mathematics
- Graphic Design

Institute of Science and Technology Advanced Development
Full Stack Web Development

March 2025 – October 2025

- **JAVA** : Fundamental Java and OOP concepts, Database Connectivity
- **Frontend** : HTML, CSS 3, Bootstrap 5, Tailwind CSS, UX and UI Design, JavaScript, TypeScript, React.js, Server Communication, Next.js
- **Spring** : Spring Boot, JPA, Spring RESTful Web Service, Spring Security, Thymeleaf

Template Engine, JWT, Keycloak

- **Database** : PostgreSQL, SQL(Basic SQL, Advanced SQL), Data Modelling
- **GIT** : Version Control, Teamwork, Solving Conflict
- **Deployment** : Linux fundamental, Basic Cloud Service Usage, Web Server

Configuration(NGINX), Docker Compose

- **SDLC** : Waterfall Model, Agile Model

Institute of Science and Technology Advanced Development

November 2024 – March 2025

Web Development Fundamental

- **Frontend** : HTML, CSS 3, Bootstrap 5, Tailwind CSS, UX and UI Design, JavaScript, React.js
- **Java** : Fundamental Java and OOP concepts, Database Connectivity
- **Database** : PostgreSQL, SQL(Basic SQL, Advanced SQL), Data Modelling
- **Git** : Version Control System, Teamwork Collaboration, Solving Conflict

RTU Mirea

2022 - 2024

Software Engineering

- Russian Language
- Structures and algorithms
- Linear Algebra and Analytic Geometry
- Calculus
- Artificial Intelligence Systems
- Procedural Programming
- Informatics

GloLink International School

2018 - 2021

BacII National certificated

PERSONAL SKILLS

Language

- Khmer : Native Language
- English : Good Writing, Speaking, Listening and Reading
- Russian : Intermediate Writing, Speaking, Listening and Reading

HOBBIES

- Exploring new technologies and improving skills
- Continuous learning and curiosity-driven projects
- Listening to music, Watching IT vlog
- Watch Movie
- Play Football

REFERENCES AND AVAILABILITY

Mr. Chan Chhaya

- Position : Senior Software Engineer of Institute of Science and Technology Advanced Development (ISTAD)
- H/P : 098 459 927
- Email : it.chhaya@gmail.com