





# Shanyu (Thibaut) Juneja Software Engineer

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## EDUCATION

**University of Massachusetts Amherst**, B.S. Computer Science

2022 Sep – 2025 May

- Lead Researcher on a Java obfuscation and tamper protection paper supervised by Pr. Marius Minea
- VP of External Operations of the American Debate Society, competing against Ivy-League schools
- Researcher at the Cybersecurity Club, creating over 4 CTF challenges and competing in over +10 CTFs

## WORK EXPERIENCE

**Casco**, Founding Security Engineer

2025 Jul – present | San Francisco, US

- First Security Engineer @ Casco, batch of X25 for YCombinator

**Namecheap Inc.**, Senior Software Cloud Engineer

2024 Dec – 2025 Jun

- Deployed secure microservices in a team of **10 engineers** on Kubernetes, servicing over **1.5mil+ customers**, ensuring the **+99.98% uptime** of 8 enterprise-grade datacenter clusters located in North America.
- Designed, architected, and presented various CLI-tools and development utils to inter-disciplinary departments, amongst a microservice generation framework and a secure validation framework, used by over **50+ engineers**.

**Referenced Skills:** **Microservices** (Golang w/ Gin, Python w/ Nameko & Flask, gRPC, Protobuf), **Kubernetes** (Helm, Configuration, ArgoCD/FluxCD, Kong Ingress),

**Phala Network**, Software Support Engineer



2022 Aug – 2024 Aug

- Supported and developed tools for hosting providers to maintain Phala Network blockchain, allowing for **200%** growth in servers, exceeding **50,000 concurrent machines** across 16x different countries
- Developed frontend and backend frameworks, tools, and scripts to ensure stability of the main network
- Documented infrastructure failures and provided 1:1 guidance to company partners during update rollouts or major migrations to newer versions of Rust/Phala.
- Engaged actively with **+8500** active discord members, growing the developer community by **+20%** over 6mos.

**Referenced Skills:** MySQL, Rust, ReactJS, NodeJS, Linux, Docker, Intel SGX

**Zenrho Security**, Software Consultant

2020 Aug – 2024 Nov

- Performed security audits for Solidity Smart Contracts and Android applications for over **10 professional clients**, ranging from enterprise to government agencies, located in Germany, Singapore and the USA.
- Secured over **\$150mil+** in assets by discovering critical security vulnerabilities in enterprise docker deployments.
- Discovered a **9.1 CVSS** critical vulnerability in a blockchain network valued at **\$50+ million**
- Published various popular tools as open-source developed for both academics and industry professionals:
  - **Skidfuscator.dev**  - Third most popular Java Application security tool in the world, with users including the [Singapore Department of Justice](#), various security professionals. Was awarded finalist in a national research competition ([CCSCNE](#)). Presently, the tool is used by **over 10,000 users** worldwide.
  - **Artemis.ac**  - A full-stack cheat detection software, based on personal research and heavy reverse engineering. During this time, I grew and trained the team from 2 to 10 developers, writing over 50,000 lines of documentation. During its existence, Artemis secured over **12,000 concurrent players** over **140 servers**.

**Referenced Skills:** **Java** (Spring Boot, Spring MVC), **MERN** (Mongoose, ExpressJS, ReactJS, NodeJS), Vue, NextJS, **React Native**, Gradle, Maven, Apache Kafka, **Distributed Systems** (AWS, GCP), **SQL** (MySQL, MariaDB, Postgres), **Containers** (Docker, Kubernetes) **Obfuscation**, **LLVM**, Reverse-Engineering, C, C++, JNI, OW2 ASM, Netty, Rust, **Solidity**, Blockchain

## RESEARCH & COMPETITIONS

**Regional CyberSecurity Defense Competition**, Competitor

2024

- Partook in a 48 hour competition alongside 7 other teammates against NSA, public, and private sector cyber-security specialists attempting to breach and perform cybersecurity attacks against an enterprise network. Maintained most concurrent services online by the end of the competition.

**Referenced Skills:** Wazuh (Monitoring), Windows Server (IDM, etc..), Vault, Linux, Elasticsearch, Security

**Consortium for Computing Sciences in Colleges**, Research Finalist

2023

- Earned finalist at a national US Research Competition, in recognition by professors from top-universities such as Brown University. The research security tool exceeds over 10,000 users, 550 stars on Github, and is the 3rd most popular of its kind on Github.

**Referenced Skills:** Research, LaTeX, Overleaf, Performance Measurement, Grafana, Prometheus