

# Shuyao Wang

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## EDUCATION

### Northeastern University

*Master's of Science in Computer Science*

September 2022 – December 2024

Seattle, WA

### Zhengzhou University

*Bachelor of Engineering in Computer Science and Technology*

September 2015 – June 2019

Zhengzhou, China

## TECHNICAL SKILLS

**Programming Languages:** Java, JavaScript, Python, Go, C, C++, HTML/CSS, XML

**Technologies:** Spring Boot, Spark, Node.js, React.js, Express, Django, Git, Tomcat, Linux, shell, AWS, GCP, Terraform, Packer, MySQL, SQLite, MongoDB, PostgreSQL, RDS, Firebase, DynamoDB

**Coursework:** Algorithms and Data Structures, Cloud Computing, Operating Systems, Distributed Systems, etc.

## WORK EXPERIENCES

### Aeone

October 2023 – December 2023

*Software Engineer Intern*

Seattle, WA

- Created Veucast, a platform enabling content creators to manage multiple social media accounts, display follower metrics, analyze audience demographics, streamline workflows, and attract investments.
- Crafted the system architecture, employing React for frontend development and Spring Boot for backend operations, resulting in a 30% improvement in page load times and elevated user satisfaction. Integrated APIs from Instagram, TikTok, and other social media platforms to unify user data and deliver comprehensive insights.
- Implemented Firebase to ensure real-time updates and dependable storage, achieving 99.9% data availability and integrity. Enhanced content creator efficiency by 80%, minimizing time dedicated to social media account management and enabling a sharper focus on content creation.

### Agriculture Bank of China

August 2019 – May 2022

*Software Development Engineer*

Zhengzhou, China

- Developed and implemented an optimization algorithm for a farmers' subsidy payment system using Java, incorporating automated detection of corrupted data during transit. This innovation eliminated manual intervention in data processing, overseeing 600,000 interactions monthly and disbursing over 200 million RMB in subsidies.
- Led the end-to-end design and development of a Java-based distributed medical insurance subsidy platform.
- Utilized the "Cloud" framework and Vue.js to deliver services to more than 5 million users in Henan province, achieving a 60% enhancement in system response time and reducing server costs by 25%.
- Created a web service for the medical insurance bureau, optimizing the selection of allowance payment options. This innovation reduced workload by 90% and enhanced payment accuracy by 20%.

### Newcapec Electronics Co., Ltd.

March 2018 – April 2018

*Java Engineer Intern*

Zhengzhou, China

- Built a smart home control system using Java, Java Servlet, Java Server Pages where users can manage their smart home equipment remotely. Persisted data to MySQL and deployed applications to embedded Tomcat.
- Developed an Order Management System using Angular and Spring Boot with MySQL for 15+ employees.

## PROJECTS

### Task Master | *Golang, JavaScript, SQLite*

March 2022 - May 2022

- Developed a full-stack web app that allows users to manage their tasks online using Go (Golang) and Gorilla Mux for backend routing and API design. Implemented user authentication with JWT for secure login and session management. Integrated SQLite for database management and Docker for deployment scalability.
- Deployed the system on AWS for high performance and scalability. Embraced DevOps practices including CI/CD for streamlined and efficient project delivery. Implemented Terraform for the infrastructure as code, ensuring automation and consistency in managing the AWS resources

### Modern Banking App | *Python, Django, PostgreSQL*

March 2022 - May 2022

- Developed a user-friendly interface using Django framework for seamless banking operations, including managing accounts, processing transactions, and generating reports with KYC registration and verification
- Deployed the system on AWS for high performance and scalability. Embraced DevOps practices including CI/CD for streamlined and efficient project delivery. Implemented Terraform for the infrastructure as code, ensuring automation and consistency in managing the AWS resources