

KARTHIK APPANNAGARI

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Professional Experience

Web Developer, Rebecca Everlene Trust Company | Chicago, IL | *Sept 2024 - present*

Environment: WordPress, Figma, AWS (EC2, CloudFront, RDS, Elastic Beanstalk), Python, React, Angular, Bash

- Leveraging **AWS technologies** such as EC2 and RDS to enhance the **scalability and performance of back-end services** and APIs built with **Python and React**
- Enhancing **content delivery speed by configuring AWS CloudFront** for optimized access to Angular applications, improving performance and user experience
- Overseeing deployment of **Python and React updates** via **AWS Elastic Beanstalk**, ensuring consistent application stability while rolling out new features

Full Stack Developer, BlackRocket LLC | Newark, US | *Jun 2023 - Sept 2023*

Environment: Spring Boot, Angular, Microservices, Core Java, Python, Bash, Git, VS Code, Jira, React

- Led the design and development of **full-stack applications using React for the front end, Spring Boot for the back end, and Python scripts for automation tasks**, ensuring seamless data flows and efficient processes
- Enhanced the performance and **reusability of React components** while **integrating Spring Boot with data sources**, improving data retrieval and application responsiveness
- **Employed microservices architecture** to boost scalability and maintainability, enabling independent deployments and updates across services
- Utilised **Python and Bash scripting for process automation**, streamlining application workflows

Full Stack Developer, Greedygame | Bangalore, India | *Oct 2021 - Aug 2022*

Environment: Python, Java, Spring Boot, Hibernate, React 8, Bash, AWS (Lambda, API Gateway, ECS, RDS, S3), Unity, C#

- Developed a **robust payment API using Spring Boot and Angular**, integrating with multiple payment gateways via AWS Lambda and API Gateway
- Utilised **Python scripts for automation, enhancing payment processing efficiency by 30%** for multiplayer games and improving transaction experience
- Collaborated with backend teams to leverage **Spring Boot for developing microservices** that optimised game server performance and supported multiplayer card game lobbies
- Created centralised IAP portal using Spring Boot, streamlining purchase records, **improving data accessibility by 50%**
- Developed **dynamic and responsive React pages for the company portal**, showcasing games and features of the Ad Engine
- **Automated deployment pipelines with Bash scripting** to ensure **smooth CI/CD workflows and faster updates**
- Utilised **microservices architecture** to develop and deploy various game features, improving **maintainability and enabling rapid feature development**
- Leveraged **AWS services like Lambda, ECS, and RDS to maintain cloud infrastructure**, ensuring high availability and scalability

Full Stack Developer, Speevely | Bangalore, India | *Aug 2020 - Oct 2021*

Environment: Python, Java, Spring Boot, React, React Native, Bash, AWS (CloudFront, S3), CI/CD

- Built **RESTful microservices** to support modular, scalable systems with optimised caching and async processing, improving response times by 25%
- Integrated **React frontends with Spring Boot and Python services**, ensuring smooth API communication and effective data handling
- Created modular, reusable components for **web and mobile apps**, managing state with **Redux and React Hooks**
- Delivered performant UIs with optimised rendering, reducing load times by implementing **lazy loading and code splitting**
- Deployed microservices and apps on **AWS S3**, with **CloudFront** configured for fast content delivery across regions.
- **Automated deployments using Bash scripting & CI/CD pipelines**, ensuring zero-downtime updates and seamless releases

Technical Skills

Languages: Java, C#, TypeScript, JavaScript, Python, C, HTML/CSS

Databases: MySQL, AWS RDS, MongoDB

Frameworks: Angular 8, React, React Spring, React Animations, React Router, Redux, Redux Toolkit, React State Management, jQuery, Bootstrap, SCSS, Material UI, Unity, Hibernate, Spring, Spring Boot, Spring MVC, Spring Data JPA, Node, Express, JUnit, Vert.x, AWS IAM, ECS, Lambda, S3, CloudFront, API Gateway, Vue JS, Tailwind CSS, GSAP, Next js, App router, Page router

Tools: Postman, Gradle, IntelliJ IDEA, VS Code, Jenkins, Eclipse, Jira, Asana, MySQL Workbench, NPM, Gitlab, GitHub, Vercel

Education

Master's in Computer Science

NJIT - Ying wu College of Computing | Newark, US | *Sept 2022 - May 2024*

Bachelor's in Computer Science

SVUCE - Sri Venkateswara University College of Engineering | Tirupati, India | *May 2017 - Sept 2021*