






Drake Pham

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Education

University Of Kansas

Graduated: May 2024

Bachelor of Science in Computer Science - GPA: 3.41/4

Lawrence, Kansas

- **Relevant Coursework:** Data Structures and Algorithms (C++), Object-oriented programming (C++), Database System, Communications Networks, Theory of Computing, Compiler, Computer Architecture, Operating Systems, Building Your Leadership Philosophy.

Experience

Software Engineering Fellow

July 2024 – Present

Headstarter

Remote - New York, NY

- Building 3+ AI apps and APIs using React.js, Next.js, OpenAI, AWS, StripeAPI.
- Having an accepted Pull Request (PR) to the [Biome](#) (13k Stars) open-source project with a team of 4.

Software Engineer Intern

February 2024 – May 2024

MarkovAI - Start up

Remote - San Francisco, CA

- Developed **Python-based data migration functions** independently, transferring 8000 events to the Appwrite's database, leveraging Appwrite's database system for optimal request performance (226.21 ms).
- Implemented RESTful APIs that allows users to query events by their location.
- Configured and tested an **SMTP mail server** using Mailgun, enhancing email deliverability for organizational communication.

Software Engineer Intern

May 2022 – Aug 2022

Zoi

Ho Chi Minh, Vietnam

- Implemented **two search RESTful APIs (Typescript)** across four categories by collaborating with a teammate and applying the coding best practices (Typescript), improving loading performance by 20%.
- Applied the design best practices (the Adjacency List Design Pattern) to consolidate three tables into one in **DynamoDB**, saving 40% cost, enhancing 30% performance, and simplifying queries.
- Utilized AWS CloudFormation to create Infrastructure as Code (IaC) files, integrating **S3, CloudFront, OAI, API Gateway, Lambda (Typescript), and DynamoDB** to establish a serverless framework for deploying a React app, resulting in a 90% reduction in deployment time.

Technical Interview Prep Coach

May 2024 – Present

CodePath

Remote - San Francisco, CA

- Coaching and mentoring 20 students in key computer science topics like Data Structures, Algorithms, and Graph Theory for software engineer internships.
- Facilitating discussions to increase student success and engagement, helping students build comfort and trust.
- Provided constructive feedback and encouraging words regularly to help students improve in 5-LeetCode problems they were struggling with during 1-hour sessions.

Technical Skills

Skills: Python, C++/C, JavaScript, MySQL, React.js, Node.js, Docker, Terraform, Kubernetes, Express.js, Bash, Git/GitHub, HTML5/CSS3

Development Methodologie: Agile/Scrum, RESTful API Development

Cloud Computing: AWS (CloudFormation, Lambda, S3, API Gateway, Redis, CloudFront, Route 53, DynamoDB, Cognito)

Projects

HelpMate | *Javascript, Node.js, Express.js, React.js, MySQL*

[Github](#)

- Combined academic schedules, travel plans, weather updates, and social events into a single platform for better management of college student life.

Database Performance with Amazon ElastiCache for Redis | *ElastiCache, RDS(MySQL), VPC, EC2, Lamda, Python*

[Cert](#)

- Reduced a **application latency by 20%** by using Amazon ElastiCache as a cache with a database.

Certification

AWS Certified Solutions Architect – Associate

CodePath Advanced Engineering - Advanced Data Structure and Algorithms