Thomas Pappas

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Skills

Languages & Frameworks: C#, .NET, Java, Spring Boot, Kotlin, Groovy, Python, FastAPI, Django, Node.js, Go, **Angular**, React/Next.js, Vue

Database: MS SQL, PostgreSQL, Oracle, MongoDB, Cassandra, Elasticsearch, Redis

Cloud: Azure, AWS, GCP

Technologies & Tools: Maven, Gradle, Kafka, RabbitMQ, Docker, Kubernetes, Terraform, Ansible, Jenkins, Git, Github Actions, Gitlab CI/CD, Azure Pipelines, Postman, gRPC, OpenAPI, Swagger, Jira, Agile, Scrum, GraphQL

Experience

Senior Backend Engineer, Team Lead, Airbnb   July 2021 – June 2025

- Engineered and Supported 5+ backend systems, RESTful APIs and microservices using C#, Java, Node.js and Go with leveraging SQL and NoSQL databases.
- Architected and deployed high-capacity payment system, leveraging C#, .NET, Kafka, and Redis, successfully handling over 1 million transactions on day one.
- Redesigned the pricing service for payments using TypeScript, Angular, GraphQL, .NET, and Azure.
- Established efficient CI/CD pipelines using Docker, Kubernetes, Jenkins, Terraform, Ansible and Github Actions, and utilized Azure AKS for seamless cloud-based containerization.
- Conducted onboarding and training for 10+ developers, focusing on secure payment processing and clean coding techniques, resulting in enhanced code quality and security compliance.

Senior Backend Engineer, Brex   June 2017 – May 2021

- Solved various internal tools and services including financial reporting, budgeting, and forecasting using C#, .NET and Angular.
- Formulated robust authentication and permission management systems, strengthening security and access control in the application.
- Integrated third-party APIs and Azure Services into the applications, and also integrated with Microservices as well as the Machine Learning models into the applications using Azure Functions.

Backend Engineer, SHEIN   March 2015 – May 2017

- Developed and maintained the .NET backend in microservice architecture to support new product lines.
- Administered an error handling, logging, and tracking system utilizing Azure Monitor, Functions, Service Bus, and Datadog for monitoring and troubleshooting.
- Launched a utility tool to verify user distribution accuracy for AB testing, applying complex distribution rules with ABAC integration, resulting in more reliable test outcomes and a 15% increase in conversion rate.

Backend Developer, Intel Corporation   June 2014 – February 2015

- Implemented back-end logic with Java using technologies including Collection Framework, Multi-Threading.
- Designed and implemented low-latency, high-availability, and performant applications.
- Created a single page application using HTML5, JavaScript/TypeScript, Angular and customized the web features by CSS3 and Bootstrap.

Education

Florida National University – Bachelor's Degree, Computer Science   September 2010 – May 2014