Stephan Chiorean

stephantc.dev

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Certificates

AWS Certified Solutions Architect - Associate (2023)
Cribl Observability Engineer - User (2023)

Skills

AWS (EC2, RDS, DynamoDB, VPC, IAM, S3, Lambda, +) • TypeScript • JavaScript • Next.js • React.js • Redux.js • Node.js/Express.js • Java • Spring • Spring Boot • Python • Machine Learning • GraphQL • Postgres • MongoDB • Material UI • TailwindCSS • Testing (Jest, Cypress, JUnit) • Authentication/Authorization (OAuth 2.0, Bcrypt, JWTs/Sessions, Cookies) • System Design • Kubernetes • Product Development

Experience

VaaS - OSLabs - Senior Software Engineer
January 2022-Present
- Led and mentored multiple teams of engineers in system design, product development and technology implementation
- Implemented TypeScript with custom types and interfaces, resulting in a predictable, readable, and extensible codebase
- Constructed a RESTful Node.js server with Express to build out routes and middleware for data fetching and authentication
- Revamped the front-end using React and Material UI to provide reusable and responsive front-end components in a mobile-first approach for enhanced usability across all devices—prioritizing ease of use and clear, intuitive design
- Overhauled product design by incorporating 4 new, optimized visualization tools: a custom Prometheus query tool, an architecture visualizer component, 15 robust Grafana dashboards, and a customized infrastructure cost forecasting tool
- Utilized MongoDB database to securely store user credentials and session data through JWTs stored in server-side cookies
- Deployed Kubernetes clusters via Google Cloud Platform with GKE to minimize setup time, resource cost, and logistical complexity

Even Trading - Startup - Full Stack Software Engineer
January 2019-Present
- Designed and executed a full stack trading platform with advanced ML algorithms to identify value optimized trades for users
- Utilized Node.js backend, MongoDB to store user sessions and Postgres to store and query information on user trade activity
- Integrated React Context API to optimize state management and data sharing between components in complex application architecture
- Individually responsible for research, testing, product development, marketing, prototyping, design, and deployment

Northwestern Mutual - Financial Analyst
June 2021-April 2022
- Built clientele and relationships with 100+ sophisticated professionals in a variety of industries while utilizing Salesforce CRM
- Utilized Python to constructed financial forecasts with advanced regression modeling, and communicated planning recommendations
- Accounted for over $50 million of financial asset planning across clientele, providing investment optimizations of $2 million per client
- Specialized in lead generation, earning referrals, and broadening the scope of my personal practice adding 4+ clients per week.
- Led 3 generations of interns into building their own practice

Mitigreen - Non-Profit Startup - Full Stack Software Engineer
March 2017-September 2018
- Developed and implemented the full-stack web application for my non-profit organization, delivering an intuitive user interface and backend functionality in Node.js to support the organization's mission to reduce unnecessary waste pollution from local restaurants
- Individually responsible for end-to-end cost optimization, system design, brand development, marketing, and product implementation

Next.js Projects

Verified Voices w/ Linkedin OAuth
- Utilized Next.js 13, React, TailwindCSS, and Node.js to assemble a highly performant, server-rendered application
- Leveraged Apollo GraphQL to create a highly flexible, scalable, and predictable API for reliably and efficiently querying SQL database

Market w/ Google OAuth
- Implemented Stripe Checkout to support fully functional and reliable payment processing with Webhooks and Firebase database
- Utilizing Redux for state management and React.js and TailwindCSS to build a server-rendered, responsive, and intuitive user interface

Messenger-Clone w/ Facebook OAuth
- Using Next.js 13 server components with Pusher and SWR for real-time data-fetching and scalable messaging capabilities
- Employed Upstash REST API to access and persist data in Redis cache for highly available, safe, and robust messaging data storage

TravelNow
- Designed backend algorithm for handling multiple concurrent API calls to calculate optimal travel budget allocation

Education

University of California-Los Angeles (UCLA)
Bachelor of Arts

College of Letters and Science
Major: Business Economics | Minor: Global Studies
Relevant Courses: Entrepreneurship, Economic Forecasting, Statistics, Advanced Econometrics, International Business