Peter **Sterckx**

SOFTWARE ENGINEER

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Work Experience

Capital One   *Richmond, VA*

SENIOR ASSOCIATE SOFTWARE ENGINEER   *February 2021 - present*

- Build backend services to support our fee waivers platform, enabling us to waive credit card fees for customers
- Design serverless architectures with AWS services such as Lambda, DynamoDB, and Step Functions
- Develop Lambda APIs in Python with AWS SAM

Self-employment   *Richmond, VA*

SOFTWARE DEVELOPER CONTRACTOR   *November 2021 - April 2022*

- Designed and developed a multi-tenant SaaS application for a start-up focused on non-profit email fundraising
- Built APIs and microservices using serverless AWS services such as Lambda, API Gateway, and DynamoDB
- Worked with the client and other developers to develop MVP features and microservice architectures

Capital One   *Richmond, VA*

ASSOCIATE SOFTWARE ENGINEER   *August 2020 - February 2021*

- Developed and delivered a cloud-native application for internal case management
- Designed and built complex UI features, working with product managers to ensure the best experience for agents
- Development work was mainly in Vue, Node (Nest framework), and GraphQL
- Continuously delivered features with Jenkins and provided production support using Splunk and the AWS console

Robert Bosch GmbH   *Charleston, SC*

ENGINEERING CO-OP - 2 ROTATIONS   *Summers of 2018 and 2019*

- Worked on a variety of projects to support the machining and final assembly maintenance technical team of the electronic stability program (ESP) production lines
- Supported mechanics and engineers during maintenance windows, troubleshooting a variety of mechanical and electrical systems
- Developed a web-based system for tracking the location of robot arms and controllers
- Redesigned and built a coolant monitoring system using Arduino

Skills

Programming	HTML, CSS, JavaScript, Vue, Node, SQL, NoSQL, Python, MATLAB, Arduino
AWS	Lambda, API Gateway, DynamoDB, RDS, Step Functions, S3, CloudFormation, SAM
Software	SolidWorks, Excel, Power BI, SAP
Other	technical writing, project management

Projects

Thermostat Controller `thermostat.psterckx.be`

PERSONAL PROJECT

- A remote thermostat control system for my apartment built using AWS IoT Core, an ESP32, some electronics, and a UI built in Vue.

Education

Clemson University   *Clemson, SC*

B.S. IN MECHANICAL ENGINEERING   *2016 - 2020*

- Graduated *summa cum laude*, GPA 3.98/4.0
- Clemson National Scholars Program, *full academic scholarship program*
- Honors College

Honors & Certifications

2021	**AWS Certified Solutions Architect – Associate**, Amazon Web Services	*Richmond, VA*
2016	**Eagle Scout**, Boy Scouts of America	*Charleston, SC*