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# Cornelius Brooks

Richmond, VA

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## Links

**Portfolio:** <https://portfolio-cbedroid.vercel.app/>

**Github:** <https://github.com/cbedroid>

**Linkedin:** [www.linkedin.com/in/cornelius-brooks](http://www.linkedin.com/in/cornelius-brooks)

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## Summary

Innovative, task-driven professional with over 4+ years of experience in Full Stack Web Developer, fundamental front-end languages, and server-side languages. A creative thinker that brings innovative solutions to help solve any arriving problems. Equipped with a record of success in consistently identifying and providing the technological needs of companies through ingenious innovation. Proficient in developing databases such as PostgreSQL, SQL, MySQL, and MongoDB, creating servers and databases for functionality and designing, developing restful APIs, creating user interfaces, writing and testing codes, and troubleshooting simple/complex issues.

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## Education

### Harvard University CS50

Computer Science - Web Development • Cambridge, Maryland

### Richard Bland College

Mechanical Engineer • Petersburg, Virginia

05/2016

Dean's List, GPA: 3.50/4.00

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## Skills

Python/Django Developer, ReactJS Developer, Web Programming: HTML5, CSS3, AJAX, Web and Application Servers, Database Development, MVC Architecture, Teamwork and Collaboration, Avid Learner, Communication and Interpersonal Skills, Complex Problem Solving, Version Control Systems: Git, Github, Linux, Docker, AWS, Firebase, microservice

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## Experience

### TedText

Web Developer • Virginia Beach, Virginia

02/2021 - Present

Texting Educational Data – Rapid Knowledge Transfer and Assessment (TED-RKTA), provided by short message service (SMS, i.e., text messages) rapidly transfers knowledge, prepares learners and assesses knowledge decay. TED-RKTA equips Airmen and Sailors with a blended micro-learning and smartphone technology that is a comfortable environment that modern learners are already fluent in. Effortless learning through text messages. Micro-learning at the speed of texting. Use the power of texting to engage your students 24/7.

- Consulted with engineering team members to determine system loads and develop improvement plans.
- Consulted with clients and discuss ideas and suggestions in team meetings and delivered updates on deadlines, designs, and enhancements.
- Used Javascript, SQL, and HTML to develop app solutions, user interface, data visualizations, and designed overall user experience.
- Troubleshoot and resolve software and hardware problems using Linux/Unix operation system FTP and SSH commands.
- Designed and implemented REST API to establish communication with microservices using Django Rest Framework.
- Performed security analysis and penetration tests on web applications to check websites for vulnerability issues.
- Implemented AWS S3 and AWS Lambda Function to scale images and serve static files during production environments.
- Created database tables, schemas, and performed SQL queries using Postgres.
- Diagnosed and troubleshoot websites by deploying updated knowledge of the modern technologies and techniques in the industry.
- Implemented and manage continuous application deployment using Github Action automation tool and CI/CD pipeline.
- Used Docker containers coupled with Nginx load-balancing tool to achieve continuous content delivery on the production server.
- Establish an interactive and dynamic website that guarantees high traffic, page views, and maximum user experience, generating a 35% increase in the company's sales revenue.
- Improved and designed monitoring systems to address issues with system stability and quality of data.
- Created and maintained clear, concise project plans and developed strategies to meet deadlines
- Utilized Python on Django web framework with Git to develop various front-end and back-end modules

## NoworNever LLC

Software Engineer • Jackson, MS

05/2019 - 01/2021

NoworNever, a media company that is redefining the future of music. We work with top artists in the music industry to help creators and advertisers of all sizes to reach listeners in the most immersive environment in the world.

- Collaborated with project managers to select ambitiously, but realistic coding milestones on pre-release software project development.
- Developed software for both desktop and mobile operating systems.
- Recruited in-demand talent to expand and diversify development staff.
- Worked closely with other team members to ensure the meeting of company goals.
- Liaised with customers, management, and sales team to better understand customer needs and recommend appropriate solutions.
- Tracked costs and expenses to compare with the original budget and identify failure points.
- Took detailed notes and kept records of program and performance progress, education initiatives, and leadership.
- Improved User Interface by converting application front-end to ReactJS.
- Increased website traffic by implementing SEO optimization tools.
- Used SASS and LESS CSS pre-processors for converting to old-fashioned CSS.

## Freelancer - UpWork

Software Engineer/Consultant

04/2017 - 11/2017

**UpWork - Python Data Engineer - Web Scaper** ----- 2-3 days - 05/17

*Build web scraper program to collect real estate data from websites and store the results in SQL database or CSV(Flatfile).*

- Reviewed the client's expectations as well as the project's parameters and recommended software packages that met those needs.
- Executed program modifications and changes and documented results of software research tools and applications.
- Offered input for new tech stacks to support client-ready final versions.
- Use python web scraping libraries such as requests and BeautifulSoup to scrape realtor details from website.
- use data mining ETL technique to extract, clean, and transfer data into a secure database source.

**UpWork - Web Developer - Menu Preview Slider ----- 2-3 weeks - 06/17**

*Build a custom web app that displays the current food menu choices and prices for a local restaurant.*

- Used python flask framework to build a web interface to display food menu options for client's restaurant.
- Worked closely with clients to enhance food menu options through visually appealing layout and enhanced text effects.
- Designed a custom admin panel using python flask-admin to monitor and alter menu items in real-time.
- Improved social media marketing by adding daily food menu updates and top suggested food items based on past customers' data.

**UpWork - Web Developer - Build MVC App with API Integrations ----- 4-6 weeks - 08/17**

*Need an experienced python Django developer to help us debug and complete an eCommerce website that allows us to securely sell and ship our products worldwide.*

- Troubleshoot production processes to identify the root cause of the problems and effectively resolve issue preventing work stoppage.
- Design, develop and implement appropriate countermeasures to improve quality, productivity, and safety for cost efficiency and optimal customer service.
- Identified security vulnerabilities and implemented procedures to ensure data center met all security requirements.
- Configure and maintain network services, including backup and recovery and maintaining web servers in Linux environment.
- Developed web, mobile, and automated script applications using Python, and ReactJS.
- Performed software testing, and developed plans for future software development.

## **Amazon Warehouse RIC2**

Stower • chester, Va

10/2016 - 03/2019

Amazon stower is responsible for scanning products by applying a handheld scanner and placing them in various bar-coded shelf locations so that the products can be ordered by customers.

- Training new employees to uphold the Amazon company policy, sustain customer service satisfaction, and educate them on the point of sale system.
- Providing friendly customer service and a fast-paced cooperative retail atmosphere.
- Ensuring conformity by locating items in storage areas and comparing the information on them with work orders.
- Scanning products and physically placing them in their various bar-coded locations.
- Organize proper packaging of purchase items into manageable arrays to create an accommodating and positive environment for customers.
- Visual Inspect and/or examine each item to ensure products meet the property safety standards.
- Removing merchandise and items from the backroom to stock on sales floor shelves and building special sales displays on the sales floor.

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## **Certificates**

Responsive Web Design - <https://shorturl.at/aqATV>