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Skills:

Languages:	Python, JavaScript (Vanilla, DOM)
Technologies/Frameworks:	Django, Bootstrap, Django REST Framework (DRF), Selenium, Jinja, React, jQuery, PyQt, Pandas, NumPy
Databases & Caching:	MySQL, PostgreSQL, MongoDB, Redis (Caching)
Messaging & Streaming:	RabbitMQ
Cloud Platforms:	AWS (S3, EC2), Azure Blob
CI/CD Tools:	Jenkins, GitLab CI/CD Pipelines
Containerization:	Docker, Kubernetes
Version Control & Tools:	Git, GitLab
Web & CMS:	HTML, CSS, WordPress, Web Services, APIs (REST), Jira, Nginx

Experience :

Databook – Python Engineer <i>Python, PostgreSQL, JSON, AWS, Data Structures, Rest APIs</i>	Jan 25 – Present
Deckbot Automation, LLM-Powered Deck Generation, Client-Specific Solutions	(Tenure 8M*)

- **Developed automated decks** for enterprise clients (**AWS, Microsoft, Databricks, Anaplan**) using LLMs trained on Databook's proprietary datasets, reducing manual deck creation time by **70%**.
- **Designed & optimized Python workflows** integrating PostgreSQL, AWS services, & JSON parsing, improving processing efficiency by **40%** and scaling to handle **10K+ client datasets** per week.
- **Built robust data structures** to process large-scale client data inputs, improving system performance and reducing generation time by **50%**.
- **Delivered high-quality, client-specific decks** with consistent branding & accurate data, reducing client delivery turnaround from **3 days to under 6 hours**.
- **Automated file-driven workflows:** Implemented an S3-triggered automation to read Excel data uploads and feed column values into downstream pipelines, reducing manual intervention by **80%**.
- **Google Drive automation:** Built monitoring for PPTX uploads/updates, automatically syncing and updating prior versions to maintain consistency, improving update accuracy by **95%**.

Forcepoint - Software Engineer - II <i>Python, Django, Flask, Docker, Jenkins, React, MongoDB</i>	Sep 23 – Jan 25
FSM/FONE Integration, API Scanning Optimization, Migration, Feature Requests	(Tenure 1Y 4M)

- **Product Integration:** Integrated responses from FSM & FONE products, applying the most severe actions for enhanced functionality & security, **boosting threat mitigation by 30%**.
- **DLP Engine Adjustment:** Optimized the Data Loss Prevention (DLP) engine for API scanning to improve data security measures, **reducing data exposure risks by 40%**.
- **Python Migration:** Conducted Python 2 to 3 migrations, ensuring code compatibility, maintainability, & alignment with modern development standards, **cutting technical debt by 35%**.
- **API Policy Development:** Validated & developed code for API policy setup on the Forcepoint Portal for Azure Blob applications, ensuring secure data management, **achieving 100% compliance**.
- **Encryption & Pattern Support:** Resolved box encrypt action issues & supported FSM & DLP pattern integration, ensuring robust product security & compliance.
- **Redis caching:** Implemented Redis caching for policy lookups, reducing repetitive API calls and improving API scanning throughput.
- **RabbitMQ queues:** Deployed RabbitMQ queues to handle large-scale API event processing, ensuring reliable, real-time scanning without bottlenecks.

- **Re-developed IPO Application Page:** Created a robust Public Issue **IPO page** & Timer Application using Python & Django, **handling 5K+ applications**.
- **Developed 7+ bond pages increasing leads by 10x & 2 affiliate pages with 65+ signups** on launch day.
- **API Development & Integration:** Created & integrated APIs for Python & Django applications, including Careers Portal, Signup Page, & Issuer Notes Page. Integrated Mixpanel for event tracking & conversion analysis.
- **Python, Django, DRF, CMS, API, Validations:** Developed the Issuer Notes Page (CMS) & Public Issue IPO page, converting designs & requirements into functional code.
- **Core Web Vitals & UI Optimization:** Enhanced web page performance for small screen devices by optimizing Core Web Vitals, reducing JavaScript execution time from **7 seconds to under 2 seconds**.
- **Custom API Development:** Created a custom Intersection Observer API & JavaScript script for lazy loading of images, & implemented deferred JavaScript file loading.
- **Frontend & Backend Improvements:** Minimized CSS, fixed UI issues, & **reduced the count of deferred offscreen** images from **15+ to zero**. Developed custom webpages using Bootstrap 3 & media queries with JavaScript/CSS.
- **Event Tracking:** Integrated Mixpanel guest or **event tracking & conversion analysis**.
- **Django/Python Applications:** Developed a timer application & landing pages using Django templates
- **PHP & WordPress:** Worked with custom posts, WP queries, & API validations for the Careers Portal.

TCS- System Engineer | Python, Django, DRF, PostgreSQL, JS, HTML, CSS, React, Git, AWS Jan 19 – Nov 22
eCommerce Web App, Python/Django API Development, Code Optimization & Refactoring **(Tenure 3Y 11M)**

- **Developed an eCommerce Web Application:** Created a real-world application using Python & Django, working on **20+ modules & implementing 30+ functionalities**.
- **Database Population:** Developed **Python scripts to populate the backend database with 1,000+ records** for a testing environment.
- **Code Optimization:** **Reduced over 300 lines of code by implementing functions**, modules, mixins, & inheritance.
- **AWS Deployment Support:** Assisted in deploying applications and managing AWS S3 Bucket for media storage
- **Ecommerce Functionality:** Worked with eCommerce products, developed cart functionalities, fixed cart bugs, & managed context processors for cart item counters & **product pagination/search**.
- **Product Variations & User Management:** Implemented product variations, added variations to carts, managed user registration/login with **token-based verification**, & developed secure account activation & password recovery.
- **Checkout & Payment:** Developed features for cart checkout, **order number** generation, **2FA** checks for reviews, payment gateway integration, & after-order functionalities.

Education

Mumbai University
Bachelor's Degree in Computer Science & Information Technology

Sep 2013 – May 2017
India

Leadership /Extracurricular | Team Leadership, Python Instructor, Podcast Guest

- **Team Leadership:** Supervised & mentored a **team of three junior developers**, driving project progress & fostering skill development to achieve project goals.
- **Python Instructor:** Delivered **free** Python training, mentoring students & facilitating their successful placement in technology roles through comprehensive guidance & support.
- **Podcast Guest:** Contributed as a on a technology **podcast**, sharing expertise & insights on software development trends & best practices.