

BACKEND DEVELOPER

UNDERSTAND THE BACKEND DEVELOPER ROLE



ABOUT ME

האוניברסיטה הפתוחה
THE OPEN UNIVERSITY OF ISRAEL
الجامعة المفتوحة



CHECK POINT™



AGENDA



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developer

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WHAT IS BACKEND DEVELOPER ?

- Works behind the scenes of applications and websites.
- Builds the logic that makes apps function correctly.
- Connect the frontend (what the users see) with the server and database.



WHAT IS FRONTEND DEVELOPER ?

- Builds what the user sees on the screen
- Design and develops buttons, forms and pages
- Focus on the user experience and design



EXAMPLE



Client - User



Waiter - frontend



Kitchen - backend devloper



QUESTIONS?

MY ROLE

- Coding.- writing code, databases queries and business logic
- Debugging.- Investigating and fixing issues in my code
- Teamwork - Sharing ideas and problems with my team
- Collaboration - Working with frontend, product, QA and Devops teams
- Reviews - Participating in code reviews and providing feedback

DIFFERENT COMPANIES

Large companies (Corporates/1000+ employees) :

- Very specific role - Focus on one service/component
- Work-life balance - Flexible
- Strong processes - Code reviews, QA, Devops teams

Medium companies (Series B, 50-250 employees):

- Borader scope - Developers own several services
- Work-life balance - Can vary, sometimes longer hours around deadlines
- Processes - Still exists but allow innovation

DIFFERENT COMPANIES

Early- Stage Startups (Pre-seed/ 2-50 employees) :

- Role - Almost full-stack by default - everyone touches everything
- Work-life balance - Challenging - often intense and demanding
- Processes - Doesn't exist - focus on delivery

DIFFERENT COMPANIES

Large companies

- Better work-life balance
- Structured role
- Less personal impact

Startups

- Broader scope
- Faster growth
- No work-life balance

REQUIRED SKILLS

TECHNICAL SKILLS

- Programming languages : Java, Python, Node.js....
- Databases : SQL (PostgreSQL,MySQL) and NoSQL(MongoDB,Redis)
- Cloud Platforms : AWS, Azure
- Working with IDE's : IntelliJ, VS Code
- Version Control : Git&GitHub/GitLab for code management

REQUIRED SKILLS

SOFT SKILLS

- Problem-Solving : Ability to break down complex challenges
- Collaboration : Working with frontend, product and devops teams
- Communication : Explaining technical concepts clearly
- Adaptability : Learning new technologies quickly in a changing environment (Start up)
- English!

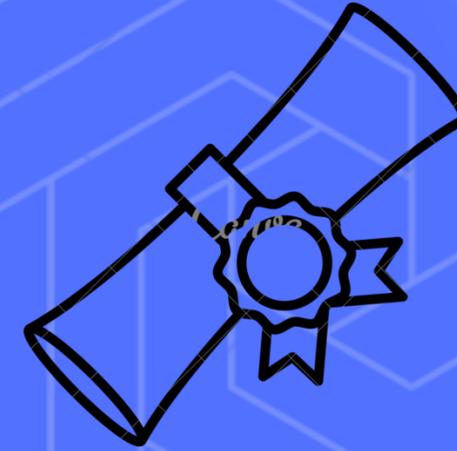


QUESTIONS?

HOW TO GET INTO A BACKEND DEVELOPER ROLE

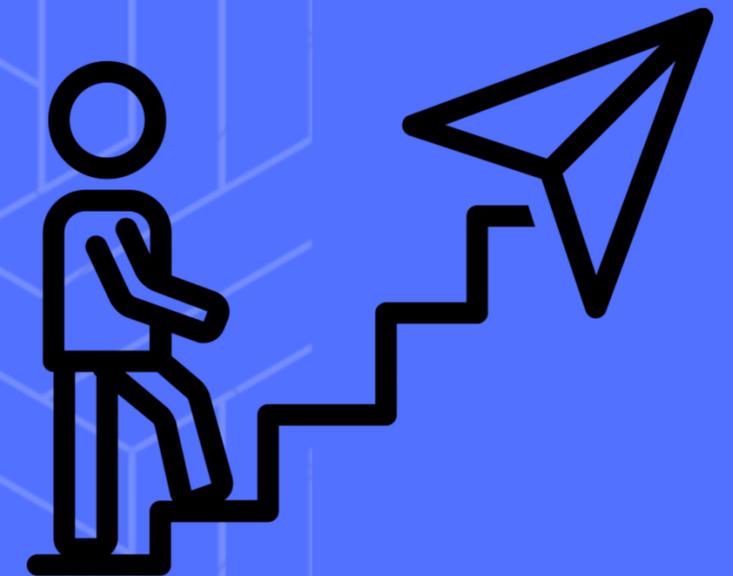
Recommended Trainings :

- **Computer Science degree**
- **Bootcamps/ practical workshops in software development**
- **Online courses : Java/Python, Databases, Cloud**
- **Hackatons**



ENTRY-LEVEL ROLES

- **Junior backend/full-stack developer**
- **QA Engineer** - builds strong debugging and testing skills
- **Data Engineer** - experience with databases
- **Technical Support** - hands on with servers



HOW TO SEARCH FOR A BACKEND DEVELOPER ROLE

- CV - Highlight backend skills (databases, cloud, APIs)
- Linkedin - Connect with developers, recruiters and tech communities
- Prepare - Practice coding interview questions (leetcode)
- Projects - Build a strong GitHub with open-source projects.



QUESTIONS?

OTHER HELPFUL ACTIONS

- Networking - Attend meetups and hacktoms to connect with people
- Referrals - Ask colleagues, mentors or friends in tech for recommendatios
- Learning - Keep improve your skills and share knowledge (Linkedin)
- Consistency - Job searching takes time - persistence is the key!



WHY DO I LIKE THIS ROLE ?

- Problem Solving - I enjoy challenges, finding efficient solutions and making systems work better
- Contiuous Learning - Every project teaches me something new!
- Impact - It's rewarding to know that my work directly influences the product and the people who use it
- Personal Fulfillment - For me, this role is like solving puzzles with technology

CONCLUSION



- You don't have to be a “nerd” to succeed - backend is about curiosity, problem solving and creativity
- Start small - even simple projects
- Most important - Enjoy it! If you love solving challenges this role can be incredibly rewarding

THANK YOU

STAV DIN

