

```

def filter_user_attributes(users):
    result = []
    users = [
        {"id": 57, "age": 22, "firstName": "Elisabeth",
         "lastName": "Gentry", "gender": "female", "company": "Assurity", "email": "elisabethgentry@assurity.com", "phone": "+1 (990) 409-2301", "address": "207 Micieli Place, Linwood, New Jersey, 1927"}, ...
        # omitted variables
    ]
    # ... omitted codes
    return result
print(process_users(users))

```

Sensitive Code



Reference Model

Syntax Tokens

```

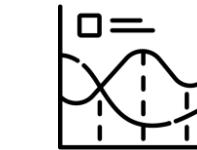
FunctionDef: def():
ClassDef: class:
For: for i in n:
If: if True:

```



The Junior Model

PrivSA Module



Privacy-Sanitizing Stage

Privacy-free Code with High Utility

Prompted Code Generation

Post-process Filter



Utility-Boosting Stage

```

def validateUsernameAndPassword(username,
                               password):
    if not (username and password) or not (3
                                             <= len(username) <= 15) or not (3
                                             <= len(password) <= 15):
        return False
    allowed_chars =
        "abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ
        HIJKLMNOPQRSTUVWXYZ0123456789-_[]"
    return all(char in allowed_chars for
              char in username + password)

```



Evolutionary Training



The Premium Model

```

def filter_user_attributes(users):
    return [
        {
            'id': user['id'],
            'firstName': user['firstName'],
            'lastName': user['lastName'],
            'email': user['email'],
            'fullName': user['firstName'] + ' '
                        + user['lastName'],
            'nameLength': len(user['firstName']) +
            ' ' + user['lastName']
        }
        for user in users
    ]

```

